

BATTERIES DATA SHEETS

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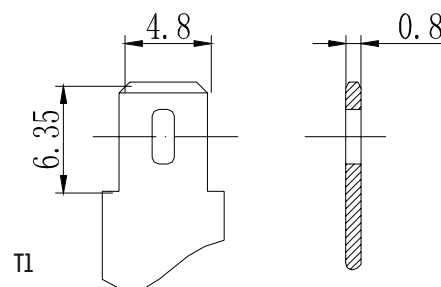
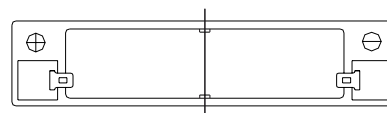
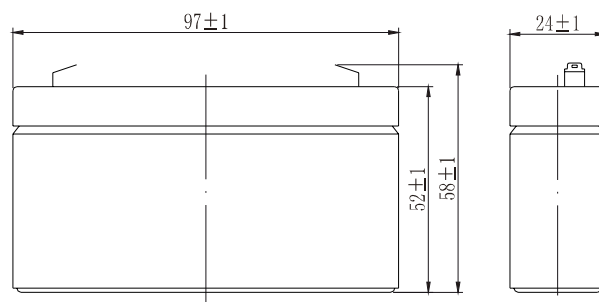
BIGBAT 6V 1.2Ah

cod. 006012



Dimensioni e peso Dimensions and weight

Lunghezza - Length	97 mm
Larghezza - Width	24 mm
Altezza - Height	52 mm
Altezza Totale - Total Height	58 mm
Peso appross. - Approx. Weight	0.31 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 50mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	18A (5s)
Corrente di corto circuito - Short Circuit Current	60 Ah
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

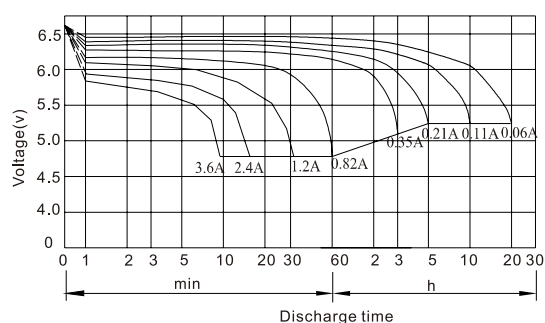
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.06A, 5.25V)	10 hour rate (0.11A, 5.25V)	5 hour rate (0.21A, 5.25V)	1 hour rate (0.82A, 4.8V)
1,2 Ah	1,1 Ah	1,05 Ah	0,82 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

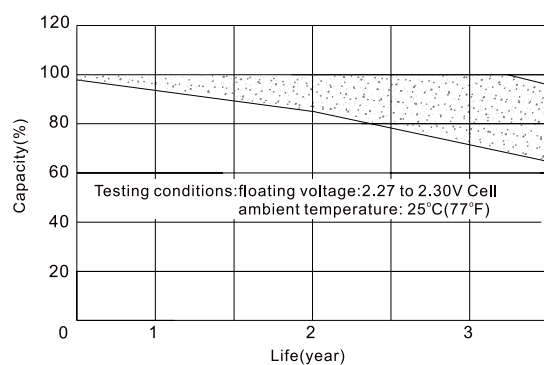
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	0.48A	-15mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-10mV/oC

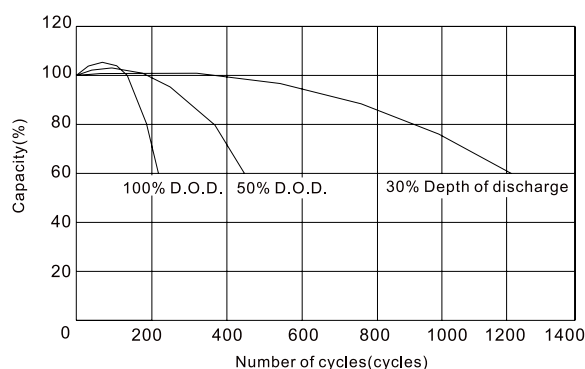
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



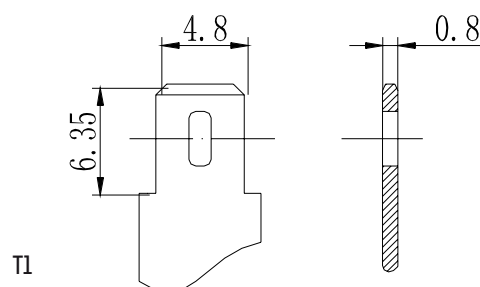
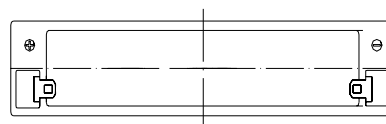
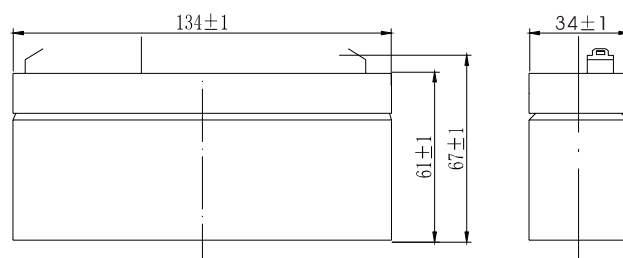
BIGBAT 6V 3.2Ah

cod. 00603



Dimensioni e peso Dimensions and weight

Lunghezza - Length	134 ± 1mm
Larghezza - Width	34 ± 1mm
Altezza - Height	61 ± 1mm
Altezza Totale - Total Height	67 ± 1mm
Peso appross. - Approx. Weight	0.65 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 30mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	48A (5s)
Corrente di corto circuito - Short Circuit Current	160A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

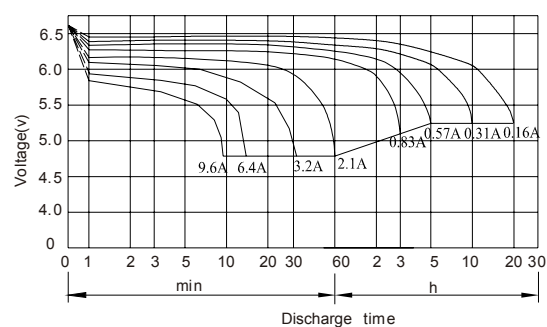
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.16A, 5.25V)	10 hour rate (0.31A, 5.25V)	5 hour rate (0.57A, 5.25V)	1 hour rate (2.1A, 4.8V)
3,2 Ah	3,1 Ah	2,85 Ah	2,1 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

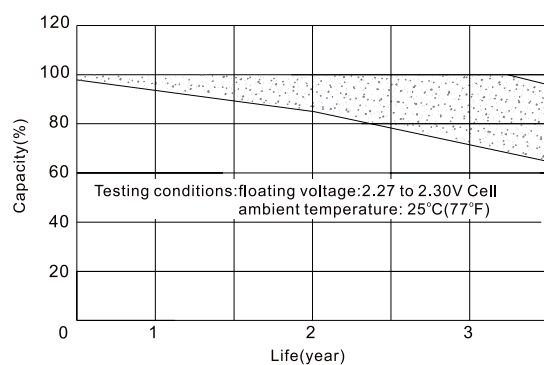
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	1. A	-15mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-10mV/oC

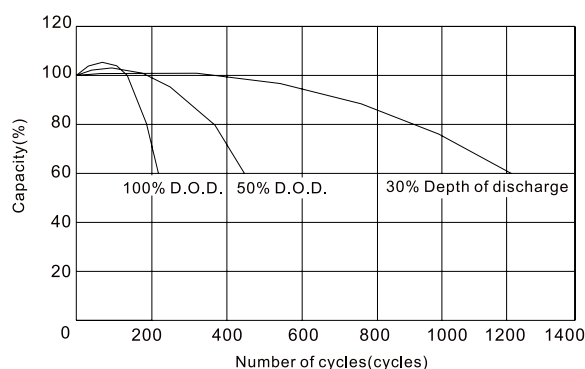
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



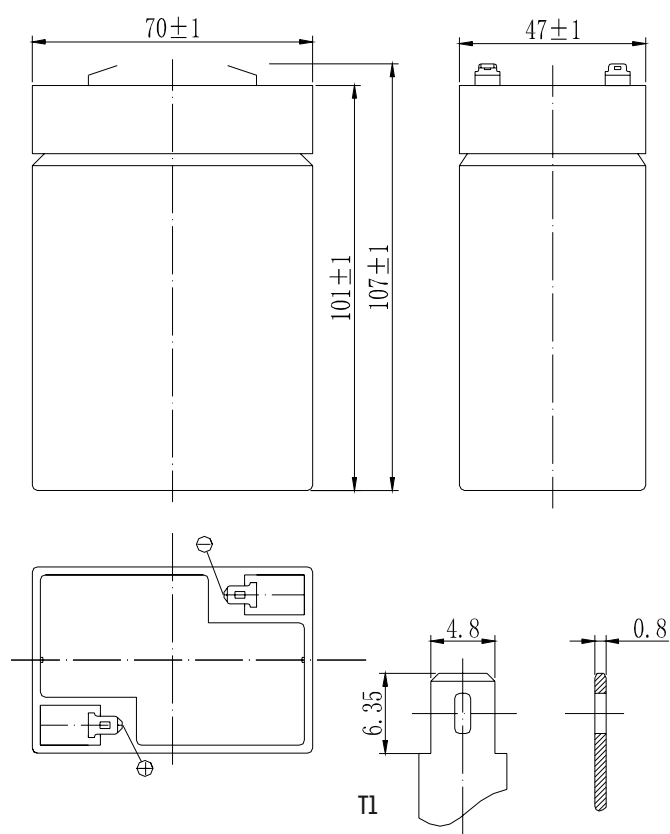
BIGBAT 6V 4.5Ah

cod. 00604



Dimensioni e peso Dimensions and weight

Lunghezza - Length	70mm
Larghezza - Width	47mm
Altezza - Height	101mm
Altezza Totale - Total Height	107mm
Peso appross. - Approx. Weight	0.77 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 27mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	67.5A (5s)
Corrente di corto circuito - Short Circuit Current	225A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

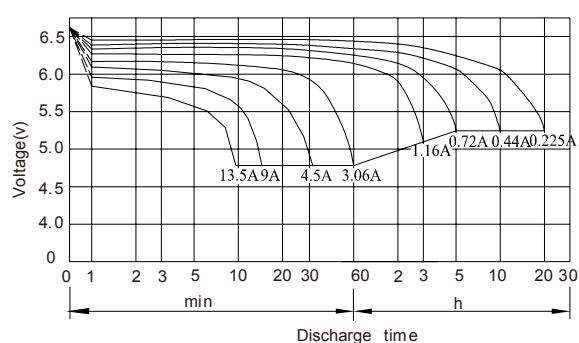
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.225A, 5.25V)	10 hour rate (0.44A, 5.25V)	5 hour rate (0.72A, 5.25V)	1 hour rate (3.06A, 4.8V)
4,5 Ah	4,4 Ah	3,6 Ah	3,06 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

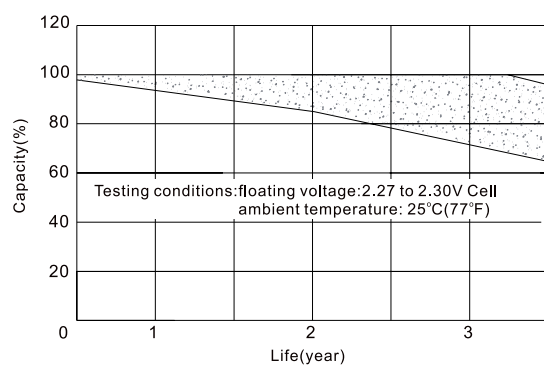
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	1.8A	-15mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-10mV/oC

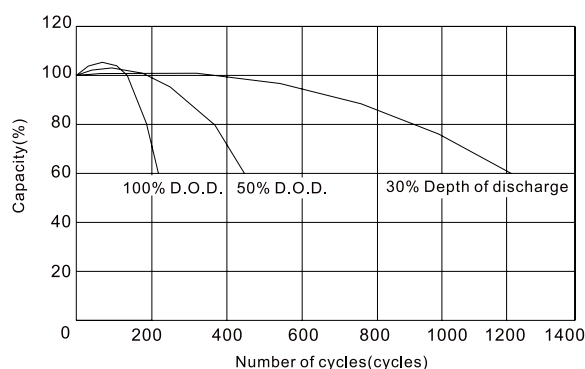
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



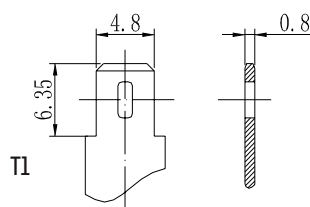
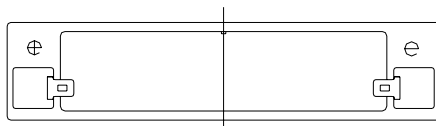
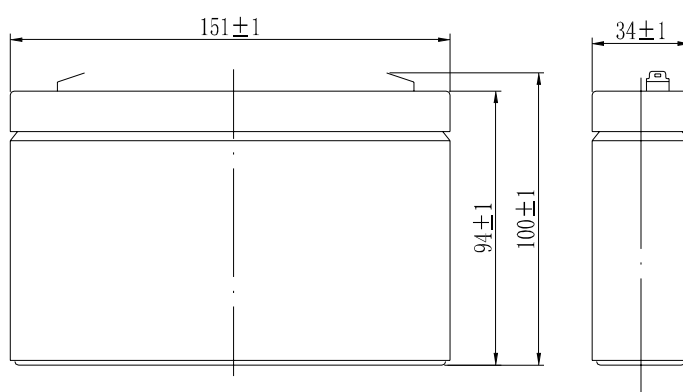
BIGBAT 6V 7Ah

cod. 00607



Dimensioni e peso Dimensions and weight

Lunghezza - Length	151 ± 1mm
Larghezza - Width	34 ± 1mm
Altezza - Height	94 ± 1mm
Altezza Totale - Total Height	100 ± 1mm
Peso appross. - Approx. Weight	1,2 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 15mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	105A (5s)
Corrente di corto circuito - Short Circuit Current	350A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

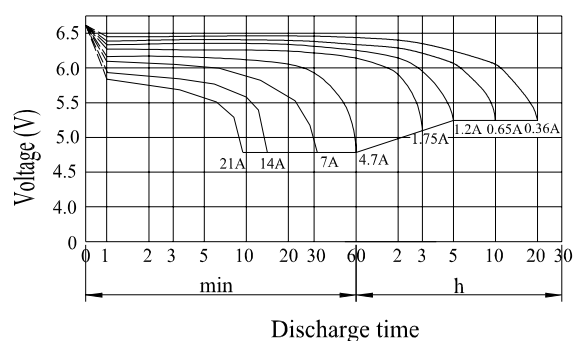
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.35A, 5.25V)	10 hour rate (0.65A, 5.25V)	5 hour rate (1.2A, 5.25V)	1 hour rate (4.7A, 4.8V)
7,0 Ah	6,5 Ah	6,0 Ah	4,7 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

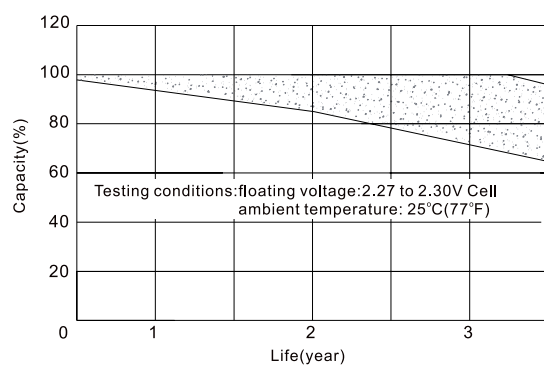
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	2.3 A	-15mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-10mV/oC

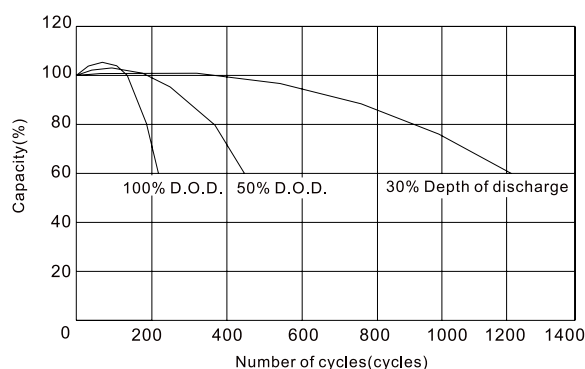
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



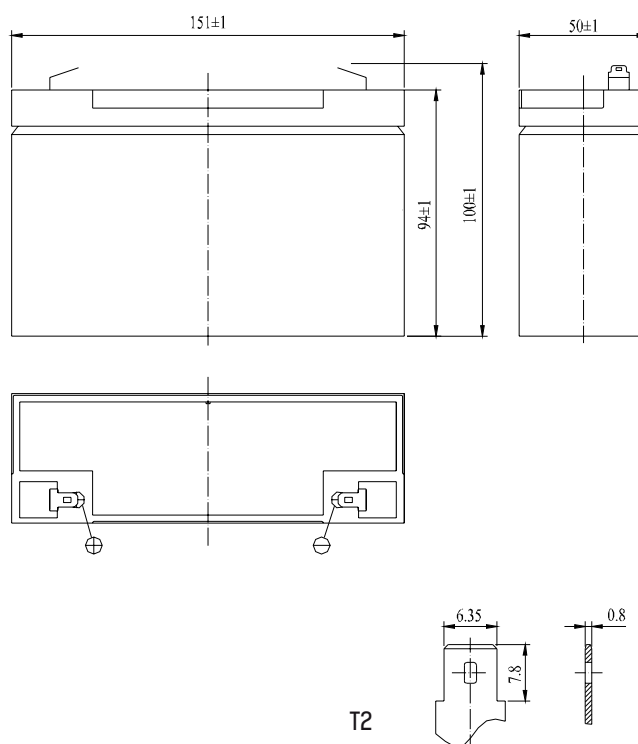
BIGBAT 6V 12Ah

cod. 00610



Dimensioni e peso Dimensions and weight

Lunghezza - Length	151 mm
Larghezza - Width	50 mm
Altezza - Height	94 mm
Altezza Totale - Total Height	100 mm
Peso appross. - Approx. Weight	1,85 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 10mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	180 A (5s)
Corrente di corto circuito - Short Circuit Current	600 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

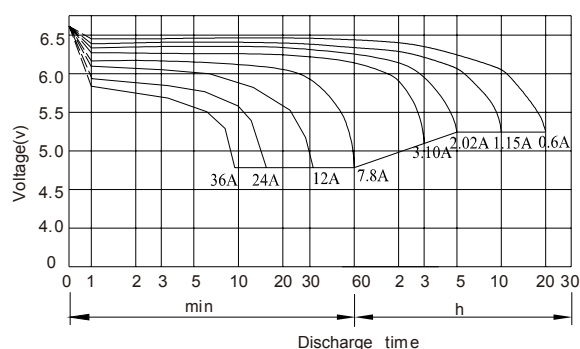
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.6 A, 5.25 V)	10 hour rate (1.15 A, 5.25 V)	5 hour rate (2.02 A, 5.25 V)	1 hour rate (7.80 A, 4.8 V)
12,00 Ah	11,50 Ah	10,10 Ah	7,80 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

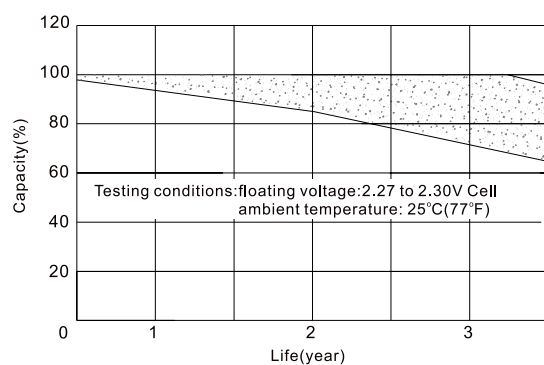
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	4.8 A	-15mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-10mV/oC

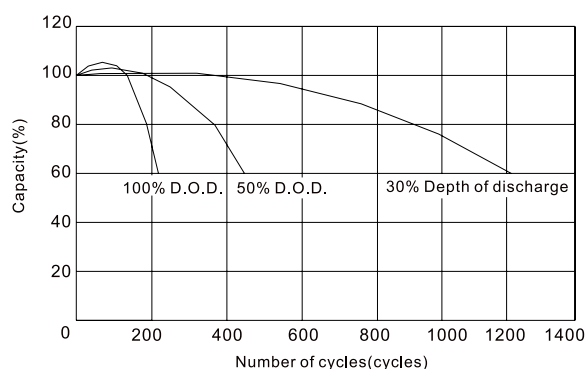
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



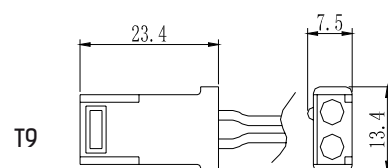
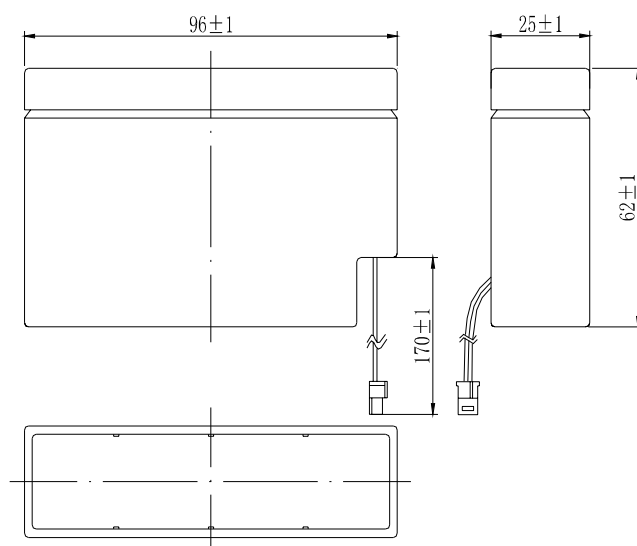
BIGBAT 12V 0,8Ah

cod. 012008



Dimensioni e peso Dimensions and weight

Lunghezza - Length	96mm
Larghezza - Width	25mm
Altezza - Height	62mm
Altezza Totale - Total Height	62mm
Peso appross. - Approx. Weight	0,34 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 260mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	12A (5s)
Corrente di corto circuito - Short Circuit Current	40A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

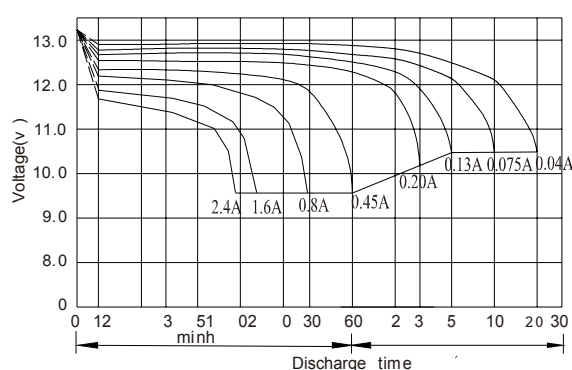
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.04 A, 10,5 V)	10 hour rate (0.07 A, 10,5 V)	5 hour rate (0.65 A, 10,5 V)	1 hour rate (0.45 A, 9,6 V)
0,8 Ah	0,75 Ah	0,65 Ah	0,45 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

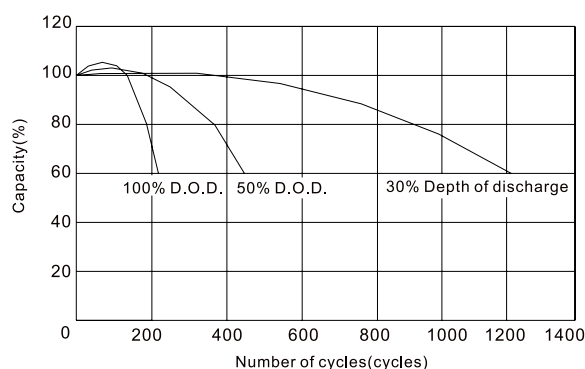
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	0,32A	-30mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-20mV/oC

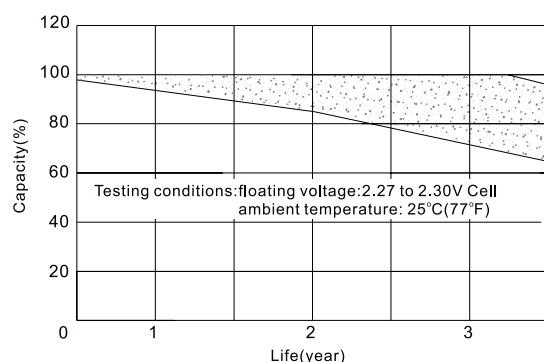
Discharge characteristics



Cycle service life in relation to depth of discharge



Life characteristics of Standby use



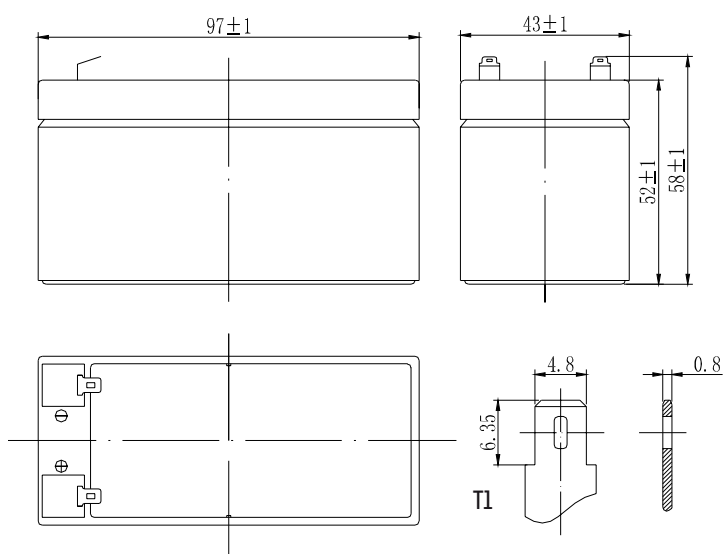
BIGBAT 12V 1,2Ah

cod. 012012



Dimensioni e peso Dimensions and weight

Lunghezza - Length	97mm
Larghezza - Width	43mm
Altezza - Height	52mm
Altezza Totale - Total Height	58mm
Peso appross. - Approx. Weight	0,53 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

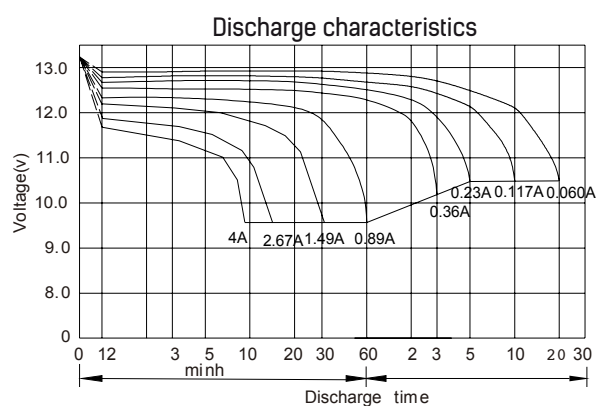
Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 55mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	18A (5s)
Corrente di corto circuito - Short Circuit Current	60A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.06 A, 10,5 V)	10 hour rate (0.117 A, 10,5 V)	5 hour rate (0.23 A, 10,5 V)	1 hour rate (0.89 A, 9,6 V)
1,2 Ah	1,17 Ah	1,15 Ah	0,89 Ah

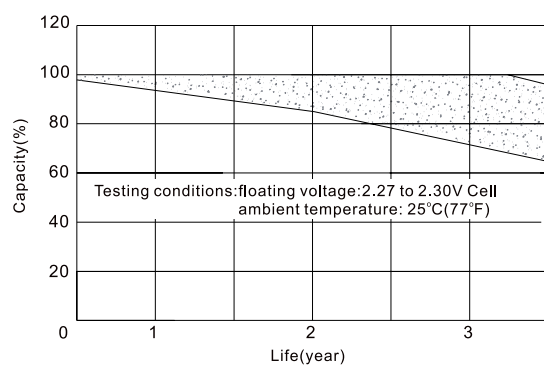
Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	0,48A	-30mV/oC

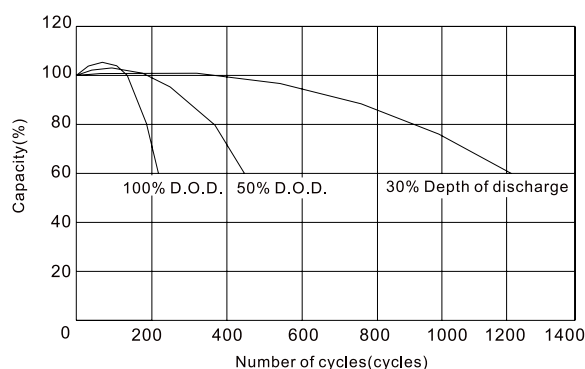
Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-20mV/oC



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



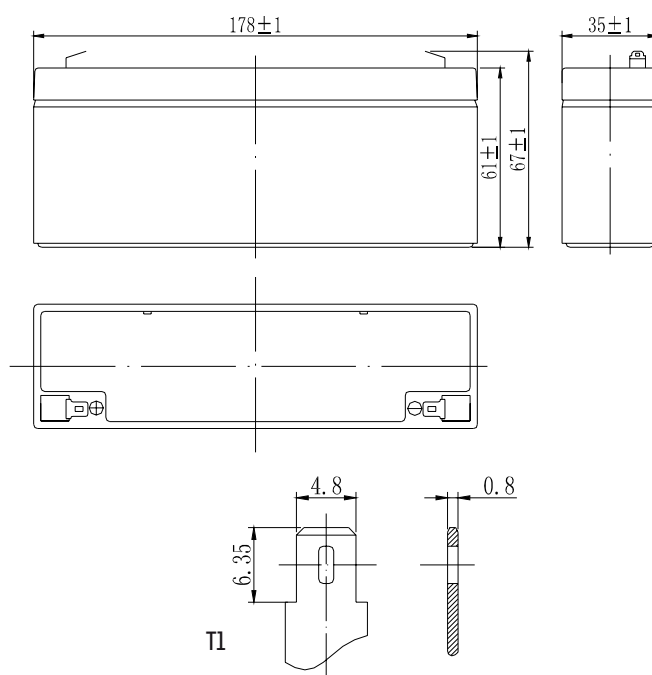
BIGBAT 12V 2,0Ah

cod. 01202



Dimensioni e peso Dimensions and weight

Lunghezza - Length	178mm
Larghezza - Width	35mm
Altezza - Height	61mm
Altezza Totale - Total Height	67mm
Peso appross. - Approx. Weight	0,99 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

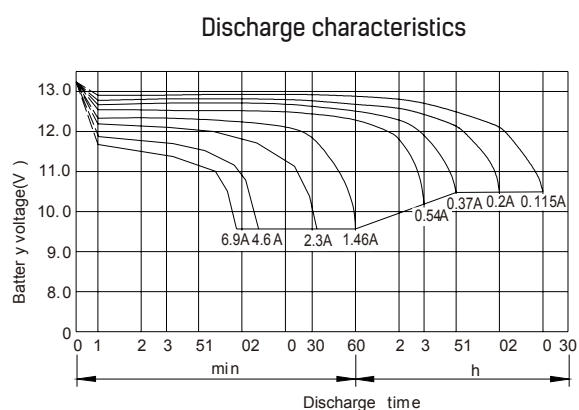
Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 60mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	34.5 A (5s)
Corrente di corto circuito - Short Circuit Current	115 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.115 A, 10,5 V)	10 hour rate (0.2 A, 10,5 V)	5 hour rate (0.37 A, 10,5 V)	1 hour rate (1.46 A, 9,6 V)
2,30 Ah	2,00 Ah	1,85 Ah	1,46 Ah

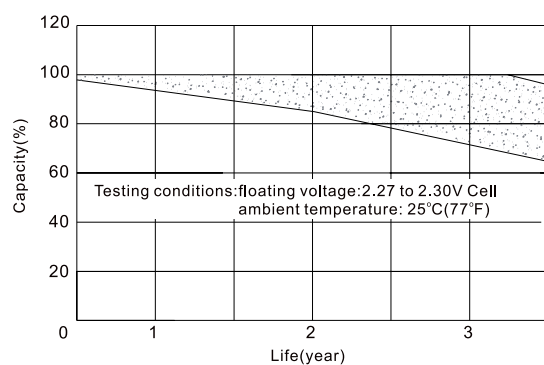
Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	0,92 A	-30mV/oC

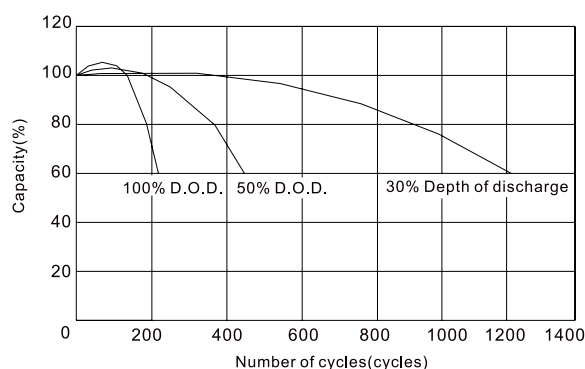
Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-20mV/oC



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



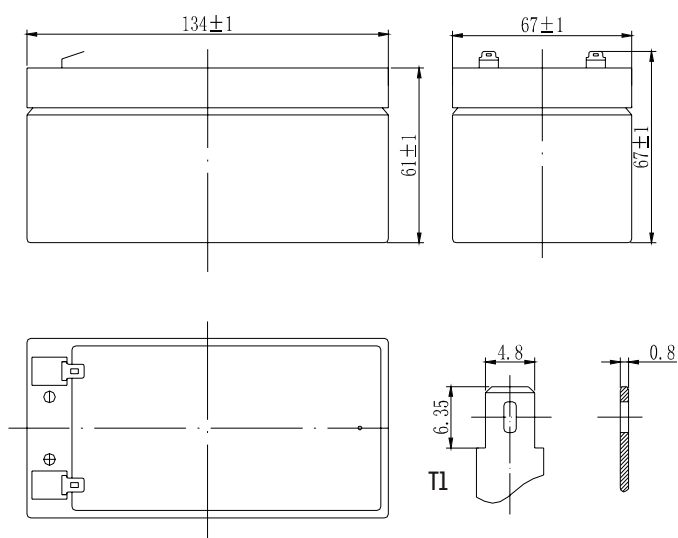
BIGBAT 12V 3,2Ah

cod. 01203



Dimensioni e peso Dimensions and weight

Lunghezza - Length	134 mm
Larghezza - Width	67 mm
Altezza - Height	61 mm
Altezza Totale - Total Height	67 mm
Peso appross. - Approx. Weight	1,30 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 68mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	48 A (5s)
Corrente di corto circuito - Short Circuit Current	160 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

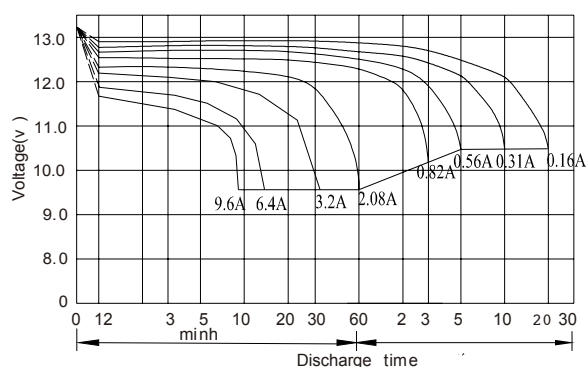
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.16 A, 10,5 V)	10 hour rate (0.31 A, 10,5 V)	5 hour rate (0.56 A, 10,5 V)	1 hour rate (2,08 A, 9,6 V)
3,20 Ah	3,10 Ah	2,80 Ah	2,08 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

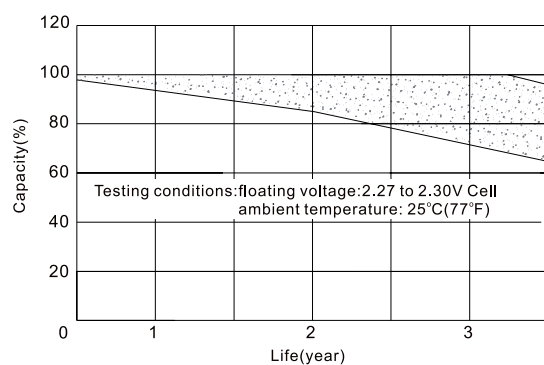
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	1,28 A	-30mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-20mV/oC

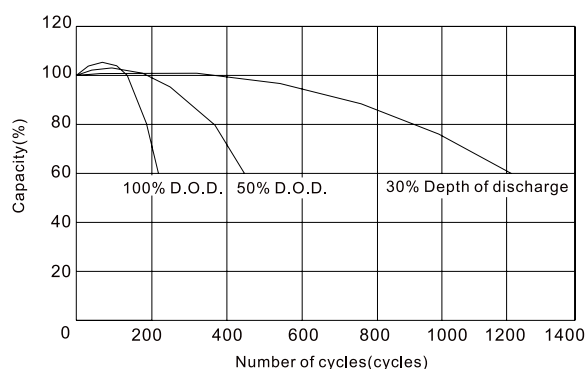
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



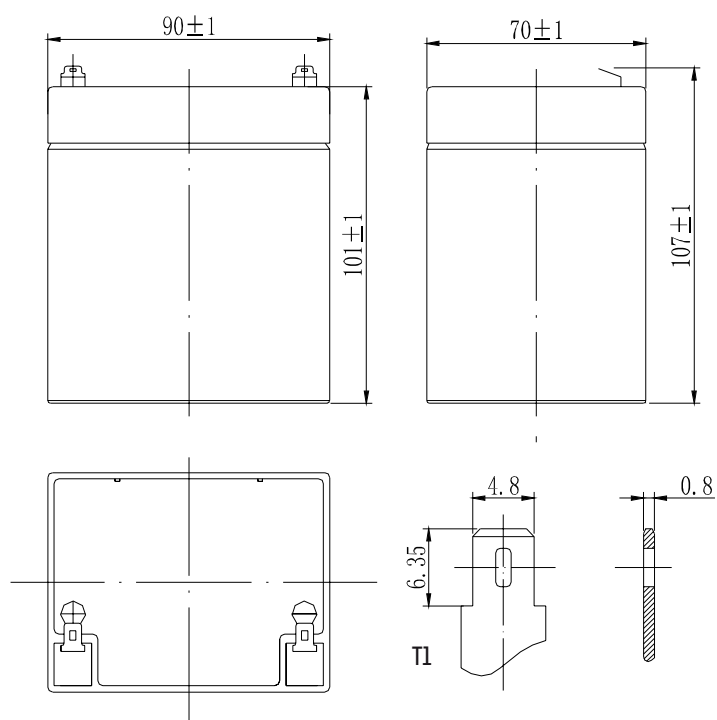
BIGBAT 12V 4,5Ah

cod. 01204



Dimensioni e peso Dimensions and weight

Lunghezza - Length	90 mm
Larghezza - Width	70 mm
Altezza - Height	101 mm
Altezza Totale - Total Height	107 mm
Peso appross. - Approx. Weight	1,72 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 35mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	67,5 A (5s)
Corrente di corto circuito - Short Circuit Current	240 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

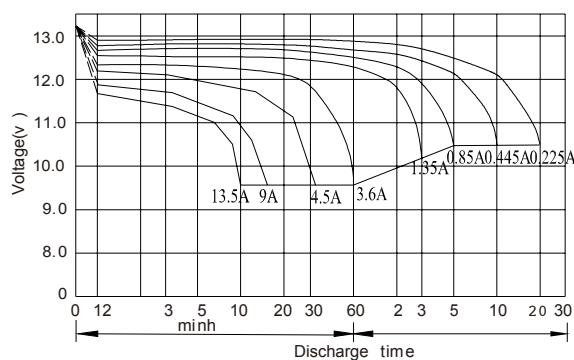
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.225 A, 10,5 V)	10 hour rate (0.445 A, 10,5 V)	5 hour rate (0.85 A, 10,5 V)	1 hour rate (3,60 A, 9,6 V)
4,50 Ah	4,45 Ah	4,25 Ah	3,60 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

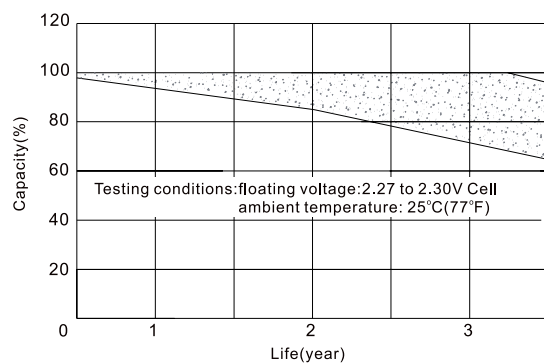
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	1,80 A	-30mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-20mV/oC

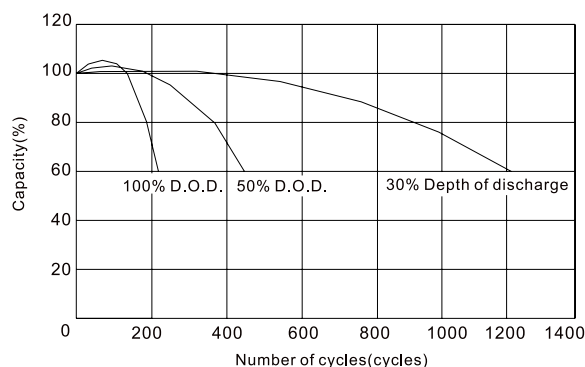
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



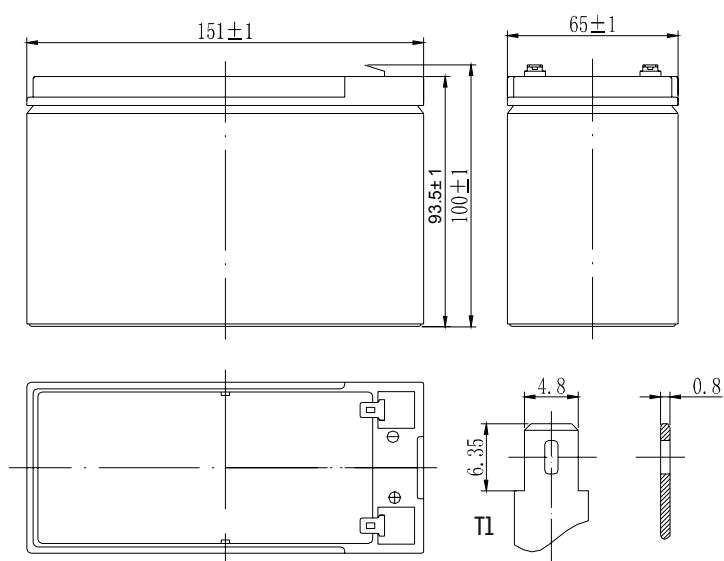
BIGBAT 12V 7Ah

cod. 01207



Dimensioni e peso Dimensions and weight

Lunghezza - Length	151 mm
Larghezza - Width	65 mm
Altezza - Height	93,5 mm
Altezza Totale - Total Height	100 mm
Peso appross. - Approx. Weight	2,32 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 30mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	105 A (5s)
Corrente di corto circuito - Short Circuit Current	350 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

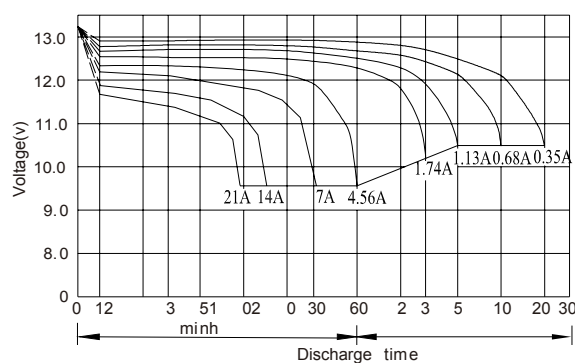
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.35 A, 10,5 V)	10 hour rate (0.68 A, 10,5 V)	5 hour rate (1,13 A, 10,5 V)	1 hour rate (4,56 A, 9,6 V)
7,00 Ah	6,80 Ah	5,65 Ah	4,56 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

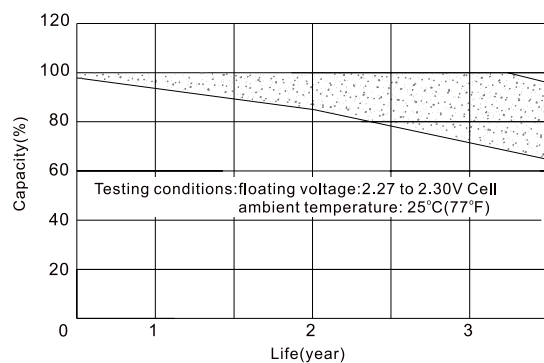
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	2,80 A	-30mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-20mV/oC

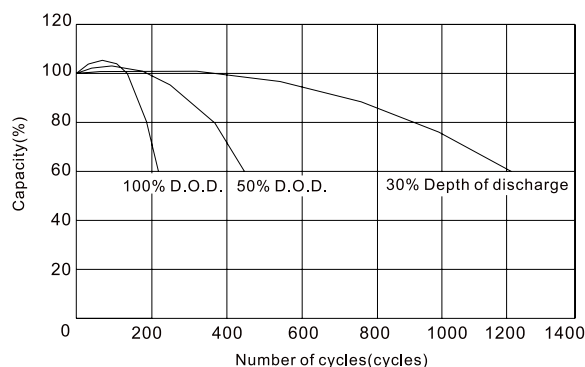
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



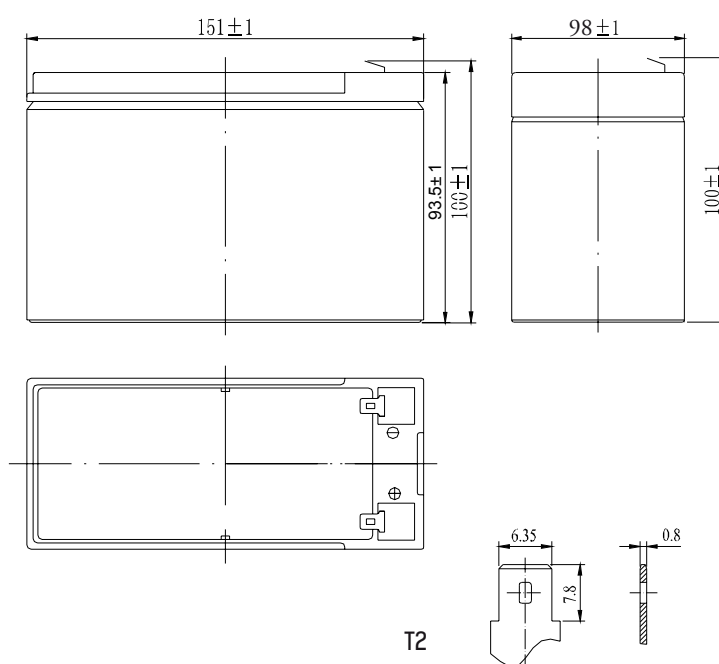
BIGBAT 12V 12Ah

cod. 01210



Dimensioni e peso Dimensions and weight

Lunghezza - Length	151 mm
Larghezza - Width	98 mm
Altezza - Height	95 mm
Altezza Totale - Total Height	101 mm
Peso appross. - Approx. Weight	3,67 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 19mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	180 A (5s)
Corrente di corto circuito - Short Circuit Current	600 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

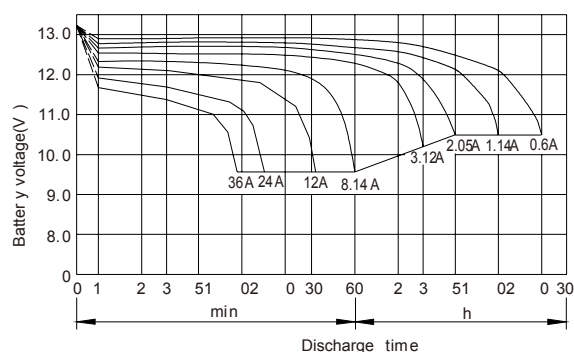
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.60 A, 10,5 V)	10 hour rate (1.14 A, 10,5 V)	5 hour rate (2.05 A, 10,5 V)	1 hour rate (8.14 A, 9,6 V)
12,00 Ah	11,40 Ah	10,25 Ah	8,14 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

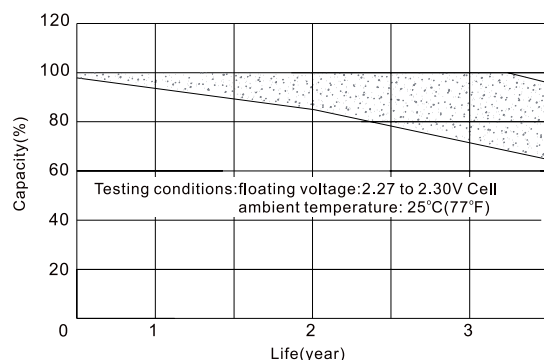
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	4,80 A	-30mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-20mV/oC

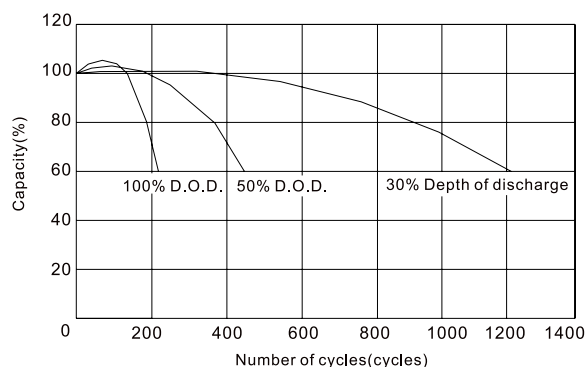
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



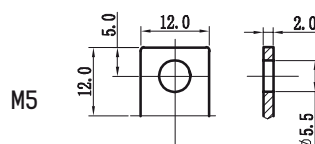
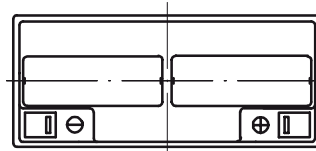
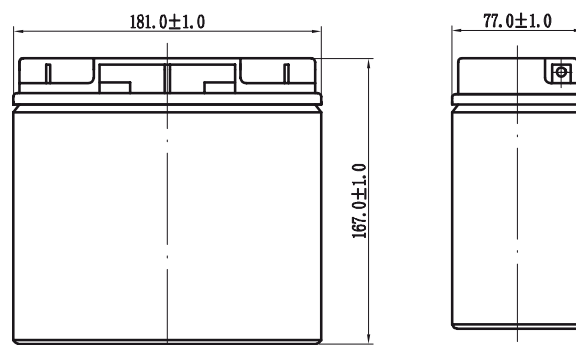
BIGBAT 12V 17Ah

cod. 01217



Dimensioni e peso Dimensions and weight

Lunghezza - Length	181 mm
Larghezza - Width	77 mm
Altezza - Height	167 mm
Altezza Totale - Total Height	167 mm
Peso appross. - Approx. Weight	5,50 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	6V
Numero di celle - Number of cell	3
Ciclo di vita nominale - Design Life	5 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 14mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	225 A (5s)
Corrente di corto circuito - Short Circuit Current	850 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

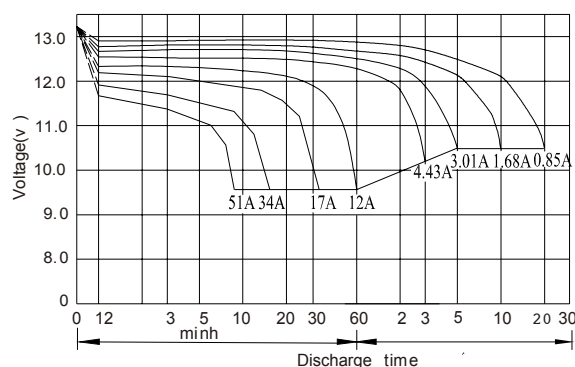
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.85 A, 10,5 V)	10 hour rate (1.68 A, 10,5 V)	5 hour rate (3.01 A, 10,5 V)	1 hour rate (12 A, 9,6 V)
17,00 Ah	16,80 Ah	15,05 Ah	12,00 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60°C	-10~60°C	-20~60°C

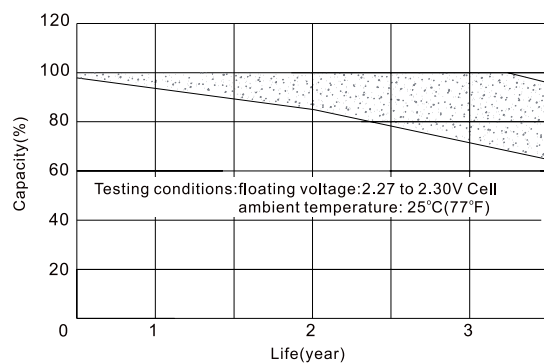
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45VPC	6,80 A	-30mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.23-2.30VPC	-20mV/oC

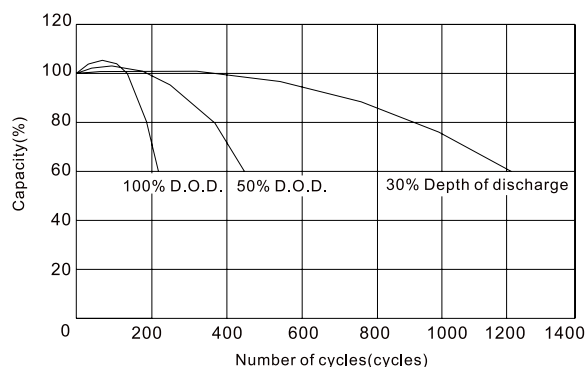
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



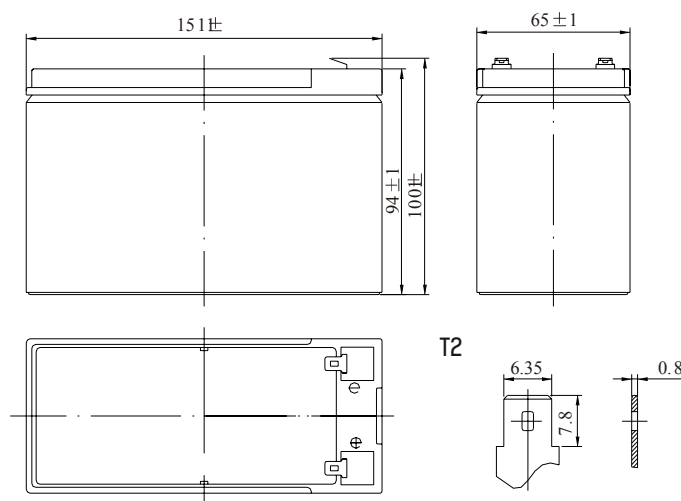
BIGBAT 12V 9Ah

cod. 01209



Dimensioni e peso Dimensions and weight

Lunghezza - Length	151 mm
Larghezza - Width	65 mm
Altezza - Height	94 mm
Altezza Totale - Total Height	100 mm
Peso appross. - Approx. Weight	2,5 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 22 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	108 A (5s)
Corrente di corto circuito - Short Circuit Current	360 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

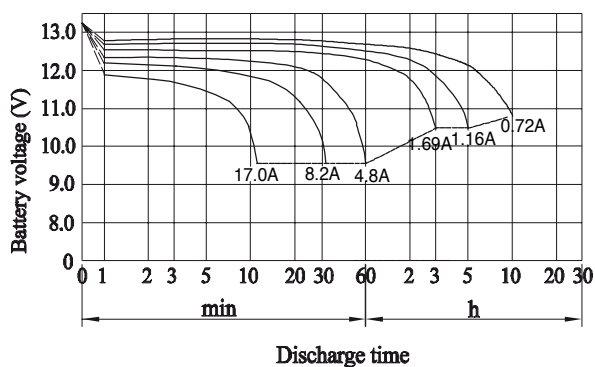
Capacità Nominale - Nominal Capacity 25°C			
20 hour rate (0.39 A, 10,8 V)	10 hour rate (0.72 A, 10,8 V)	5 hour rate (1.16 A, 10,5 V)	1 hour rate (4.8 A, 10,5 V)
7,8 Ah	7,2 Ah	5,8 Ah	4,8 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

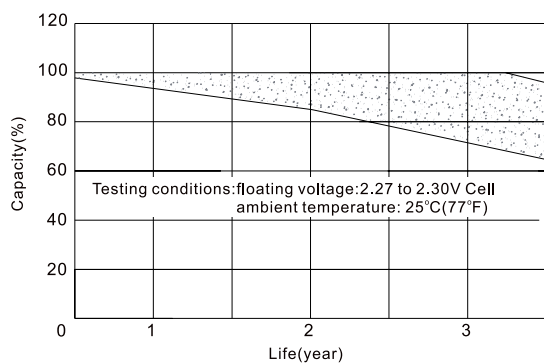
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	2,5 A	-30 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-3,3 mV/oC

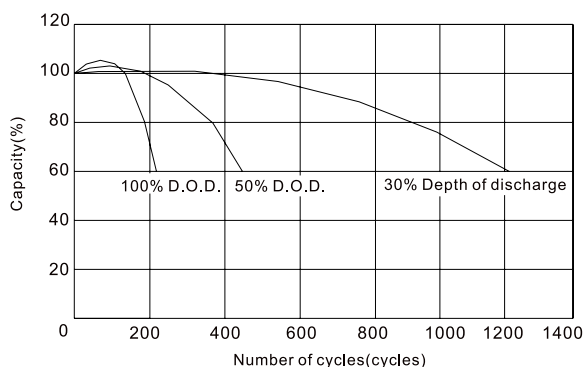
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



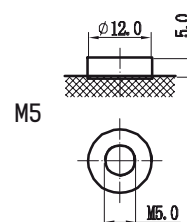
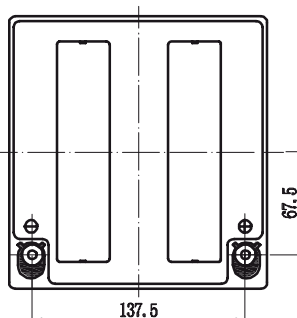
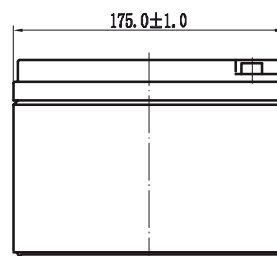
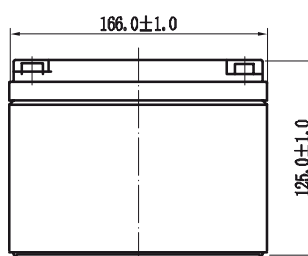
BIGBAT 12V 26Ah

cod. 01224



Dimensioni e peso Dimensions and weight

Lunghezza - Length	166 mm
Larghezza - Width	175 mm
Altezza - Height	125 mm
Altezza Totale - Total Height	125 mm
Peso appross. - Approx. Weight	8,1 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 12 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	240 A (5s)
Corrente di corto circuito - Short Circuit Current	850 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

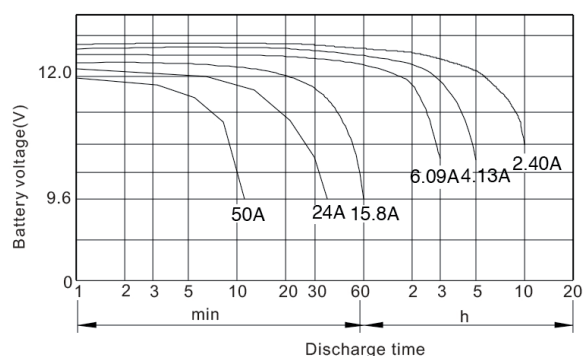
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (2.40 A, 10.8 V)	5 hour rate (4.13 A, 10.5 V)	1 hour rate (15.80 A, 9.6 V)
24,00 Ah	20,65 Ah	15,80 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

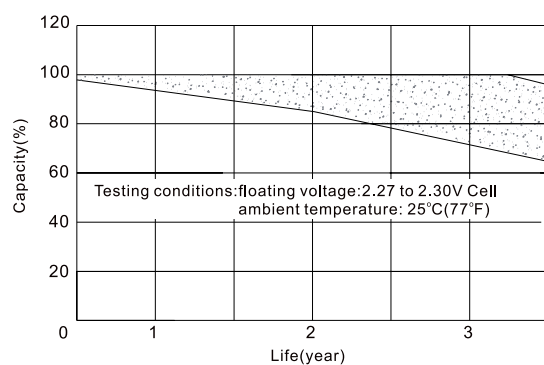
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	7,2 A	-30 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-20 mV/oC

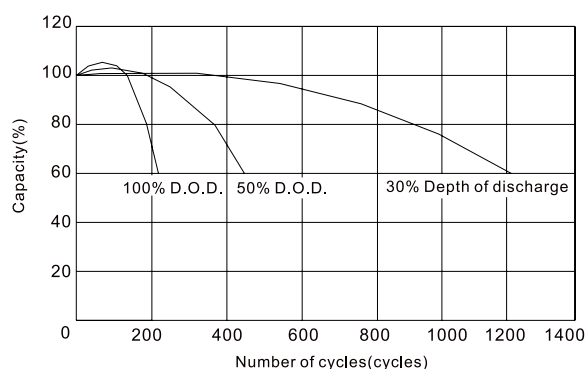
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



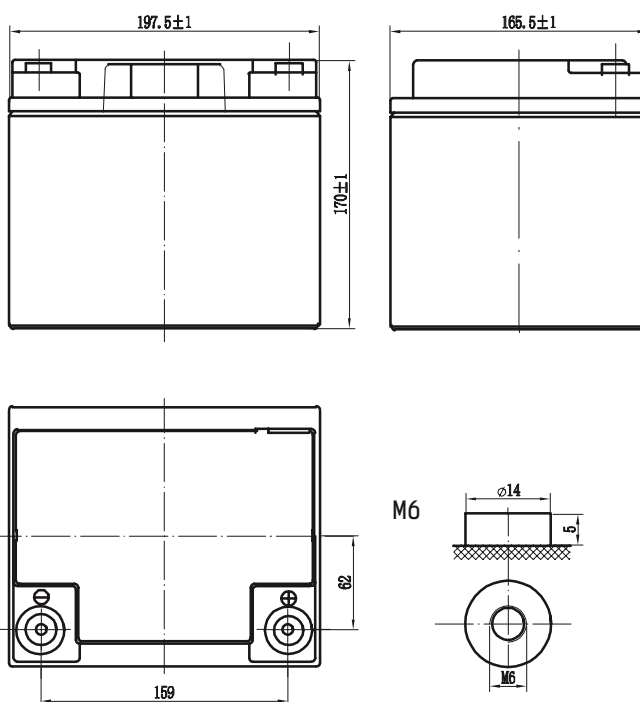
BIGBAT 12V 40Ah

cod. 01240



Dimensioni e peso Dimensions and weight

Lunghezza - Length	197,5 mm
Larghezza - Width	165,5 mm
Altezza - Height	170 mm
Altezza Totale - Total Height	170 mm
Peso appross. - Approx. Weight	14,7 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 9,5 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	400 A (5s)
Corrente di corto circuito - Short Circuit Current	900 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

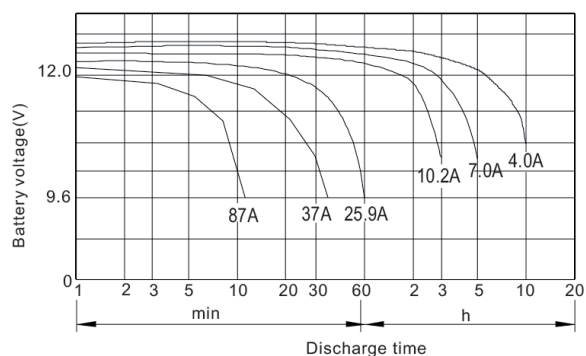
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (2,40 A, 10,8 V)	5 hour rate (4,13 A, 10,5 V)	1 hour rate (15,80 A, 9,6 V)
24,00 Ah	20,65 Ah	15,80 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

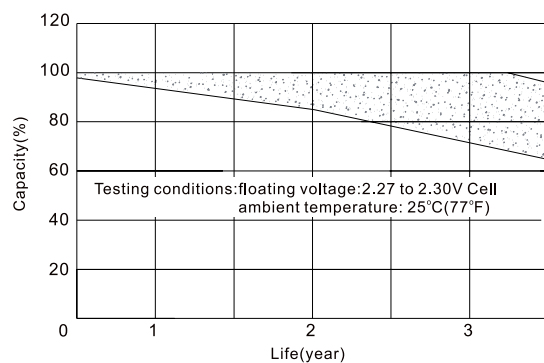
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	12 A	-30 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-20 mV/oC

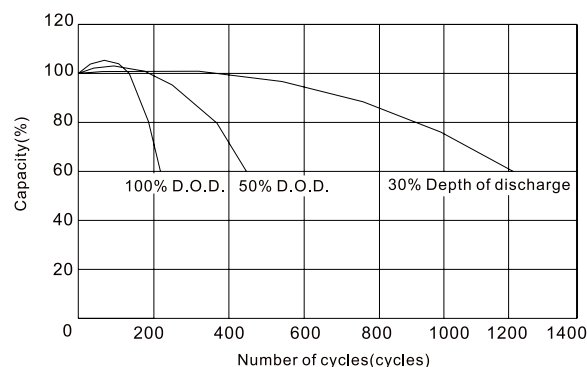
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



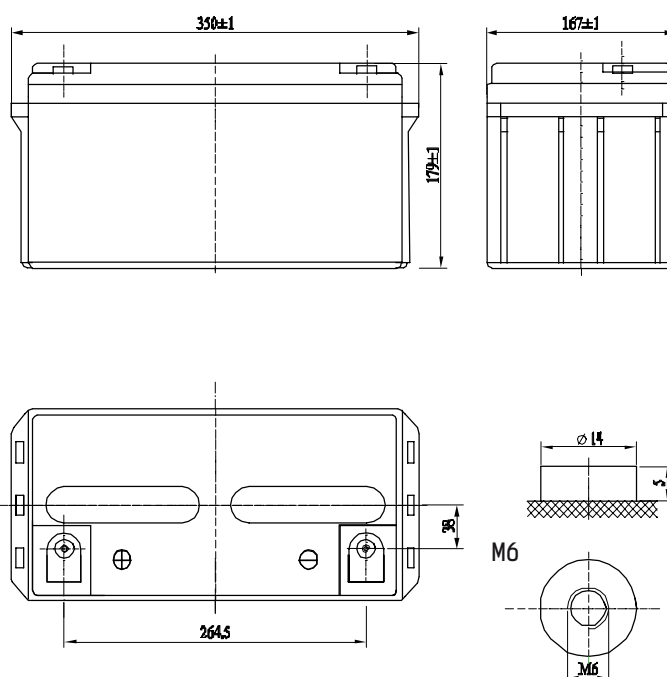
BIGBAT 12V 65Ah

cod. 01270



Dimensioni e peso Dimensions and weight

Lunghezza - Length	350 mm
Larghezza - Width	167 mm
Altezza - Height	179 mm
Altezza Totale - Total Height	179 mm
Peso appross. - Approx. Weight	23,4 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 6,8 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	650 A (5s)
Corrente di corto circuito - Short Circuit Current	1700 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

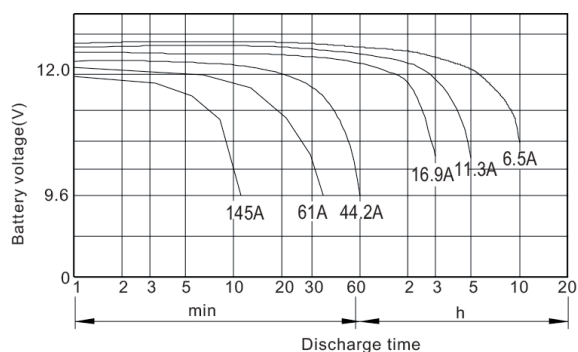
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (6,50 A, 10,8 V)	5 hour rate (11,3 A, 10,5 V)	1 hour rate (44,2 A, 9,6 V)
65,00 Ah	56,50 Ah	44,20 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

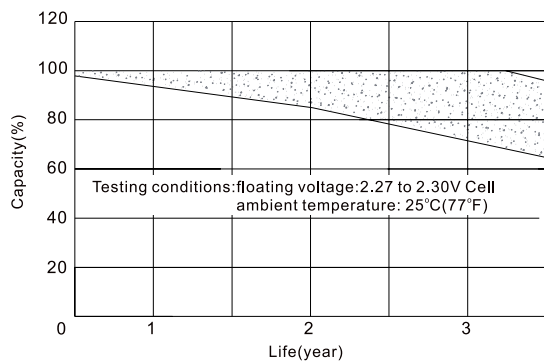
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	19,5 A	-30 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-20 mV/oC

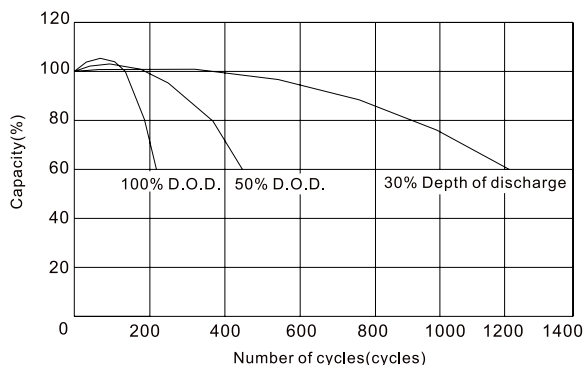
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



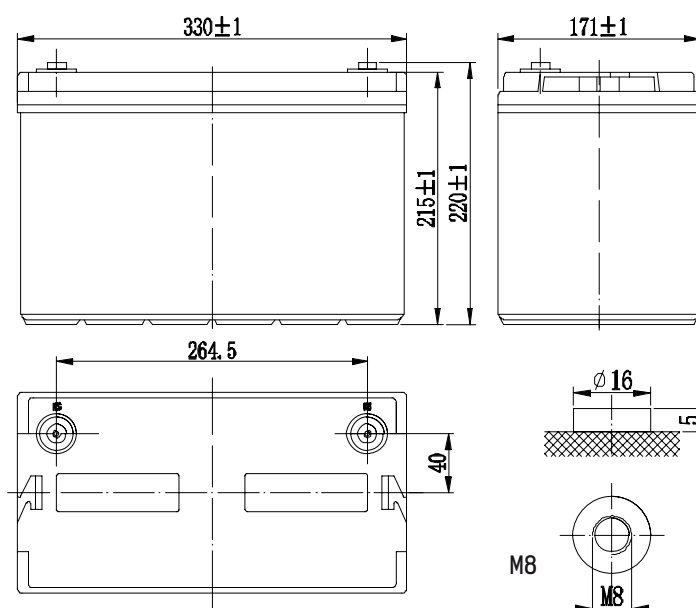
BIGBAT 12V 100Ah

cod. 01290



Dimensioni e peso Dimensions and weight

Lunghezza - Length	330 mm
Larghezza - Width	171 mm
Altezza - Height	215 mm
Altezza Totale - Total Height	220 mm
Peso appross. - Approx. Weight	32 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 5,7 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	900 A (5s)
Corrente di corto circuito - Short Circuit Current	2100 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

Capacità Nominale - Nominal Capacity 25°C

10 hour rate (10 A, 10,8 V)	5 hour rate (17,5 A, 10,5 V)	1 hour rate (66,2 A, 9,6 V)
100,00 Ah	87,50 Ah	66,20 Ah

Campo di temperatura operativa - Operating Temperature Range

Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

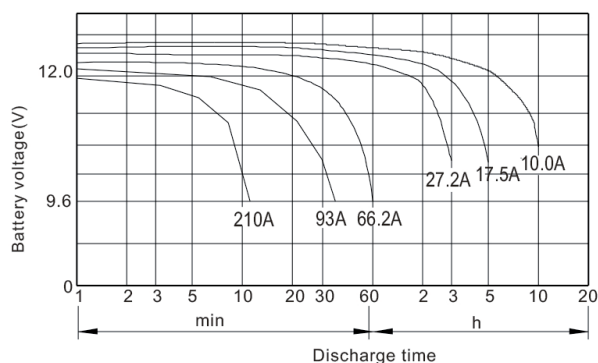
Uso ciclico - Cycle use

Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	30 A	-30 mV/oC

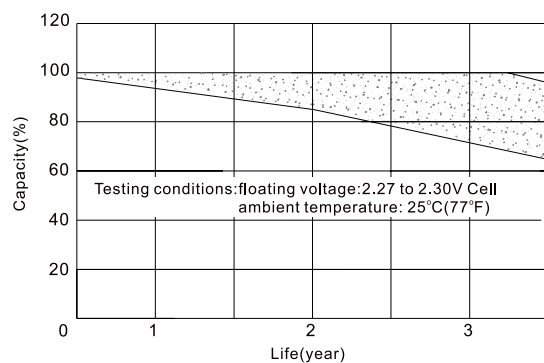
Uso in standby - Standby use

Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-20 mV/oC

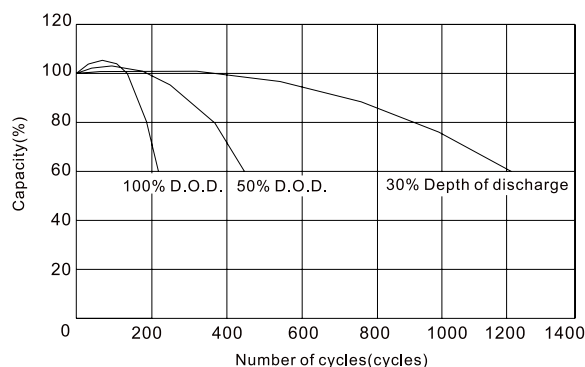
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



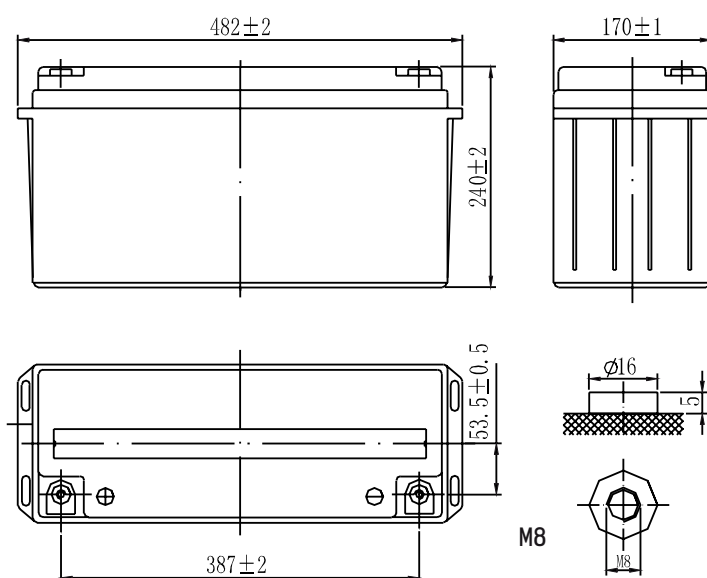
BIGBAT 12V 160Ah

cod. 01292



Dimensioni e peso Dimensions and weight

Lunghezza - Length	482 mm
Larghezza - Width	170 mm
Altezza - Height	240 mm
Altezza Totale - Total Height	240 mm
Peso appross. - Approx. Weight	48,4 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 4,5 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	1000 A (5s)
Corrente di corto circuito - Short Circuit Current	2700 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

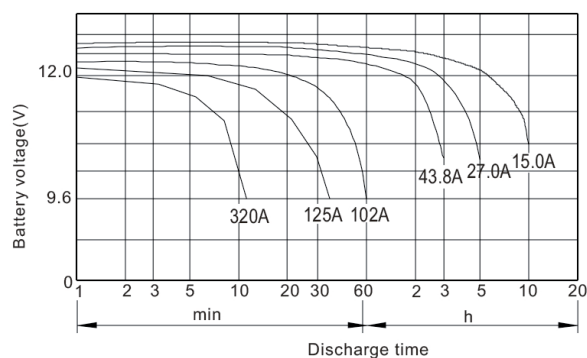
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (15 A, 10,8 V)	5 hour rate (27 A, 10,5 V)	1 hour rate (102 A, 9,6 V)
150 Ah	135 Ah	102 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

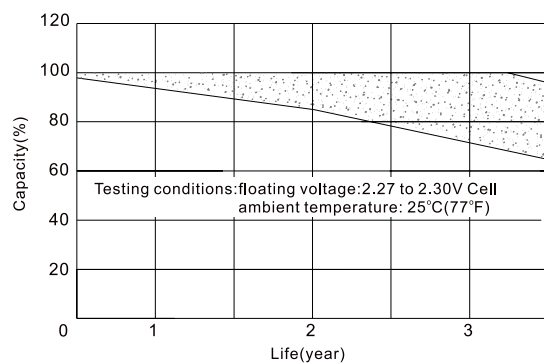
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	45 A	-30 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-20 mV/oC

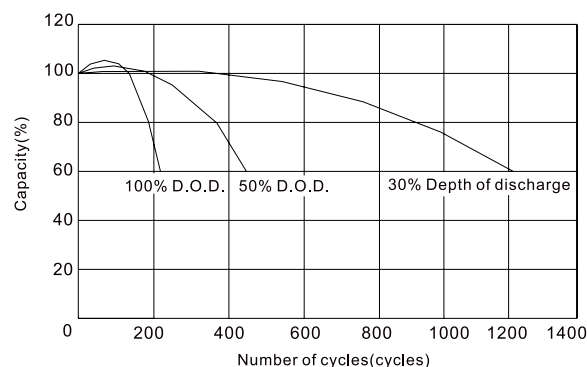
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



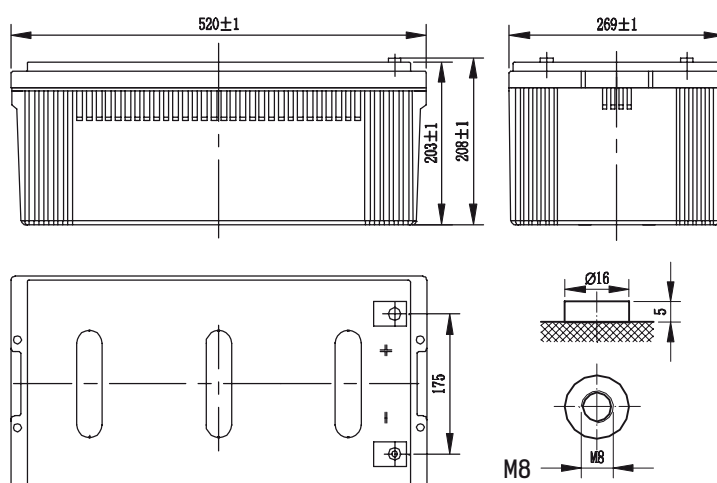
BIGBAT 12V 250Ah

cod. 01295



Dimensioni e peso Dimensions and weight

Lunghezza - Length	520 mm
Larghezza - Width	269 mm
Altezza - Height	203 mm
Altezza Totale - Total Height	208 mm
Peso appross. - Approx. Weight	72,6 Kg
Dev. peso - Weight deviation	± 5%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 2,8 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	1100 A (5s)
Corrente di corto circuito - Short Circuit Current	4300 A
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

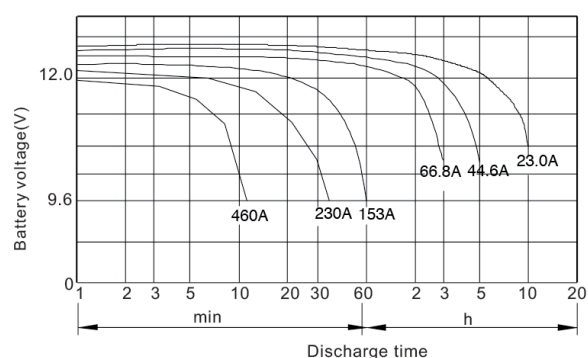
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (23 A, 10,8 V)	5 hour rate (44.6 A, 10,5 V)	1 hour rate (153 A, 9,6 V)
230 Ah	223 Ah	153 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

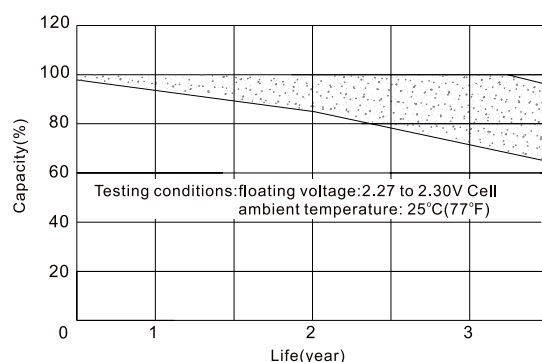
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	69 A	-30 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-20 mV/oC

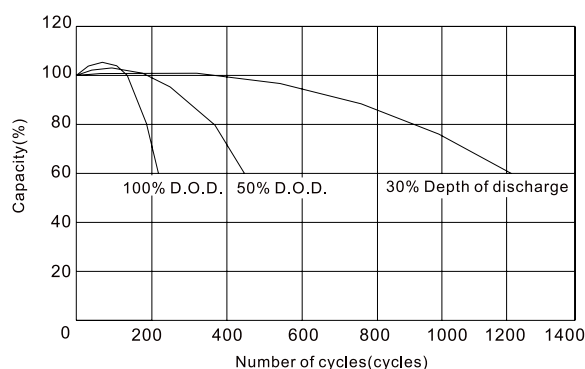
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



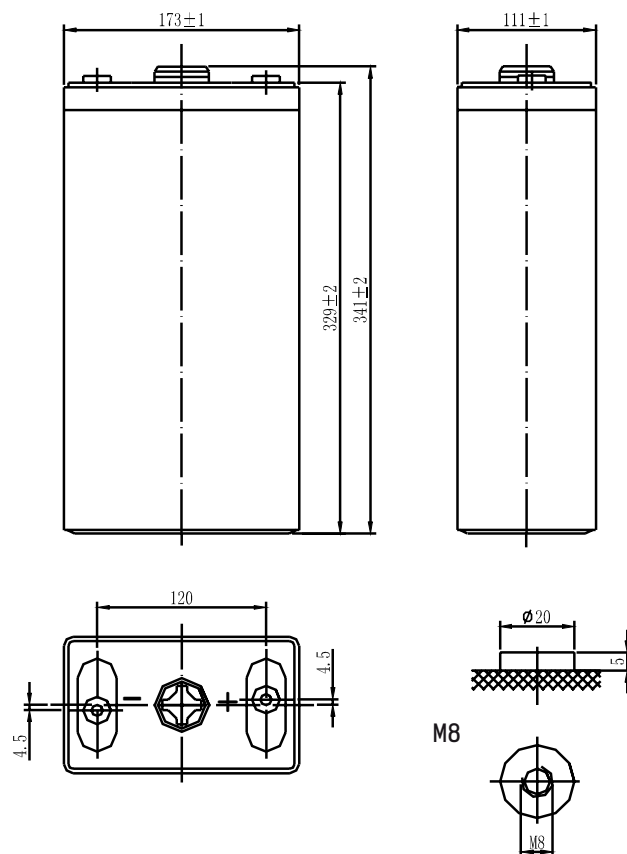
BIGBAT 2V 200Ah

cod. 0020200



Dimensioni e peso Dimensions and weight

Lunghezza - Length	173 mm
Larghezza - Width	111 mm
Altezza - Height	329 mm
Altezza Totale - Total Height	364 mm
Peso appross. - Approx. Weight	14,2 Kg
Dev. peso - Weight deviation	± 3%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 0,80 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	1100 A (5s)
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

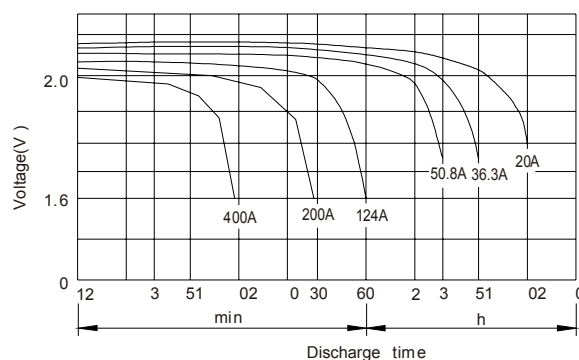
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (20 A, 10,5 V)	5 hour rate (36,3 A, 10,5 V)	1 hour rate (124 A, 9,6 V)
200 Ah	181,5 Ah	124 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

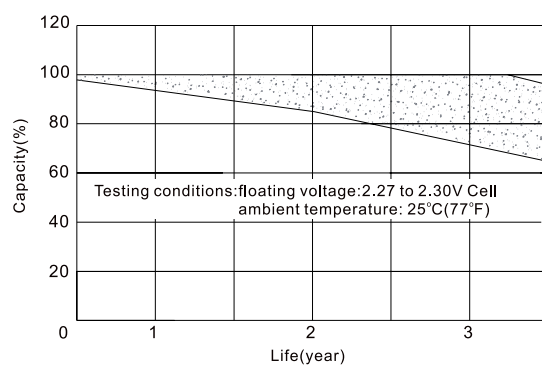
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	40 A	-5 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-3,3 mV/oC

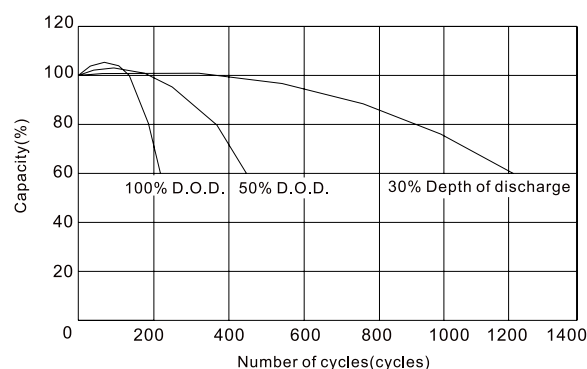
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



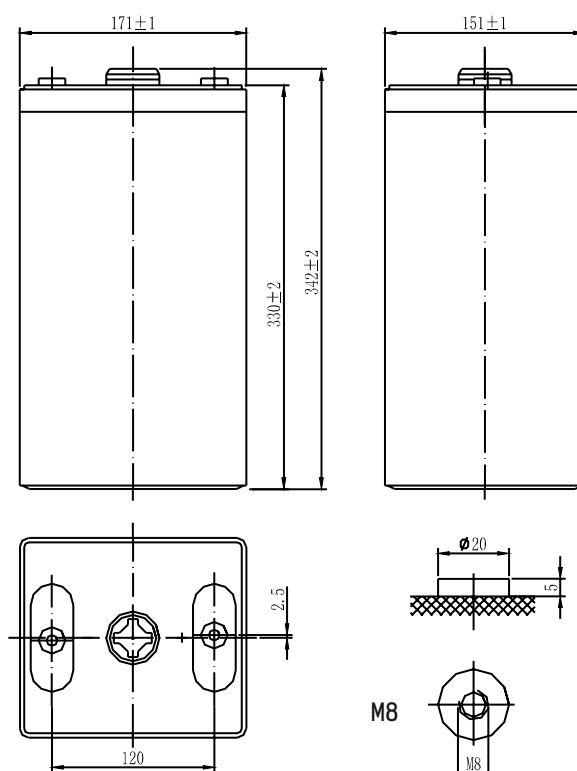
BIGBAT 2V 300Ah

cod. 0020300



Dimensioni e peso Dimensions and weight

Lunghezza - Length	171 mm
Larghezza - Width	151 mm
Altezza - Height	330 mm
Altezza Totale - Total Height	364 mm
Peso appross. - Approx. Weight	20 Kg
Dev. peso - Weight deviation	± 3%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 0,75 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	1500 A (5s)
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

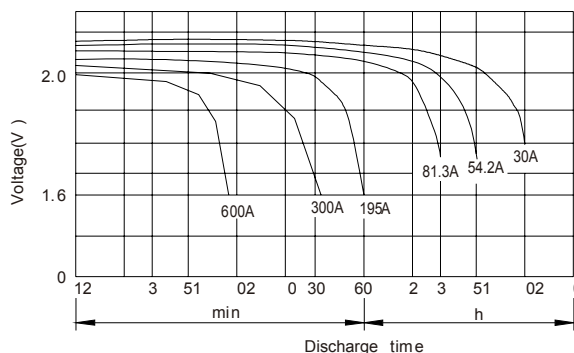
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (30 A, 10,5 V)	5 hour rate (54,2 A, 10,5 V)	1 hour rate (195 A, 9,6 V)
300 Ah	271 Ah	195 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

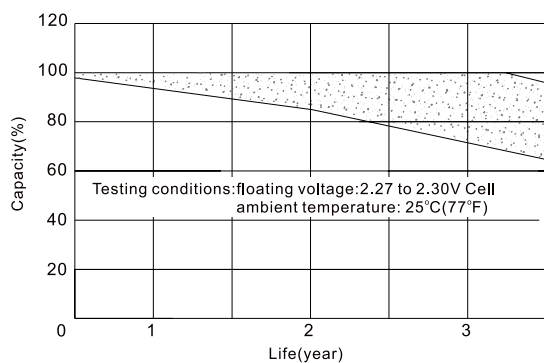
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	60 A	-5 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-3,3 mV/oC

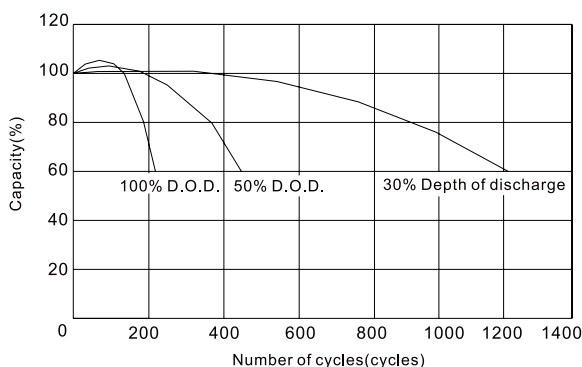
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



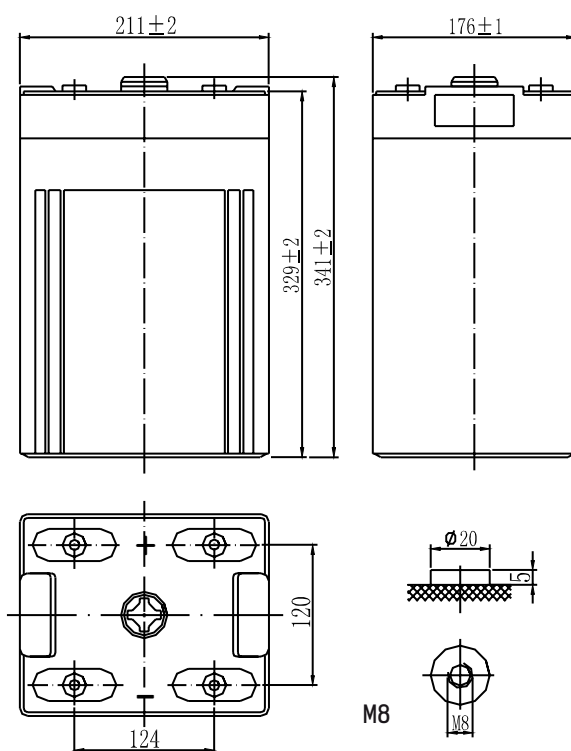
BIGBAT 2V 400Ah

cod. 0020400



Dimensioni e peso Dimensions and weight

Lunghezza - Length	211 mm
Larghezza - Width	176 mm
Altezza - Height	329 mm
Altezza Totale - Total Height	367 mm
Peso appross. - Approx. Weight	28 Kg
Dev. peso - Weight deviation	± 3%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 0,72 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	2000 A (5s)
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

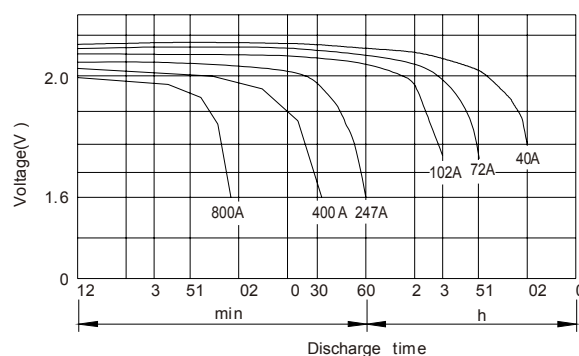
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (40 A, 10,5 V)	5 hour rate (72 A, 10,5 V)	1 hour rate (247 A, 9,6 V)
400 Ah	360 Ah	247 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

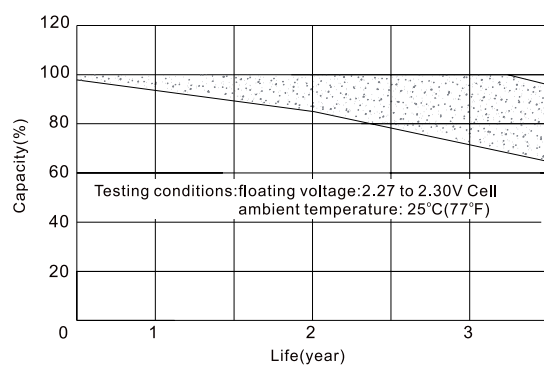
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	80 A	-5 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-3,3 mV/oC

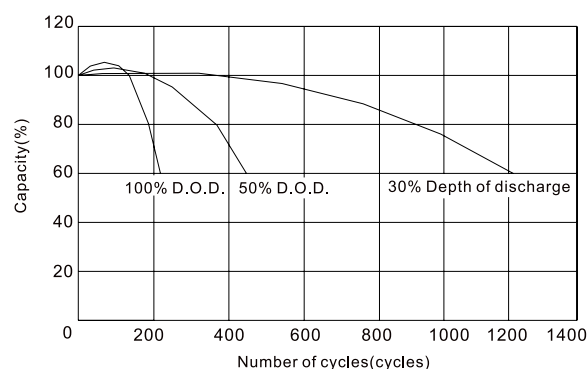
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



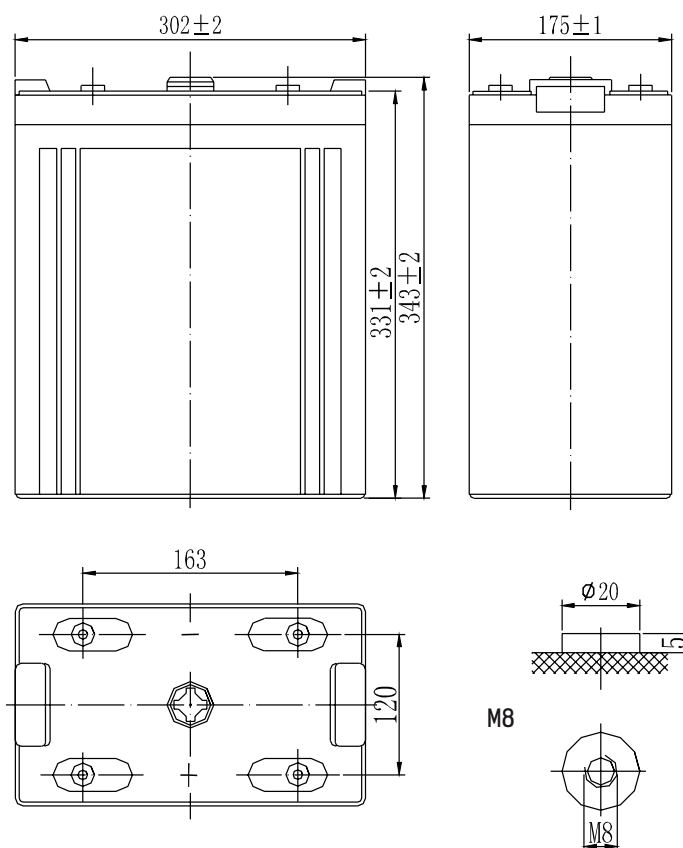
BIGBAT 2V 600Ah

cod. 0020600



Dimensioni e peso Dimensions and weight

Lunghezza - Length	302 mm
Larghezza - Width	175 mm
Altezza - Height	331 mm
Altezza Totale - Total Height	367 mm
Peso appross. - Approx. Weight	40 Kg
Dev. peso - Weight deviation	± 3%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 0,6 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	3000 A (5s)
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

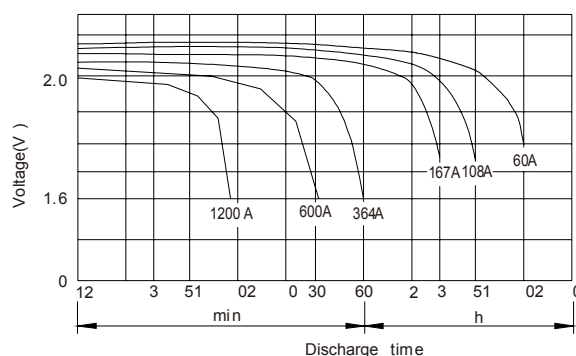
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (60 A, 10,5 V)	5 hour rate (108 A, 10,5 V)	1 hour rate (364 A, 9,6 V)
600 Ah	540 Ah	364 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

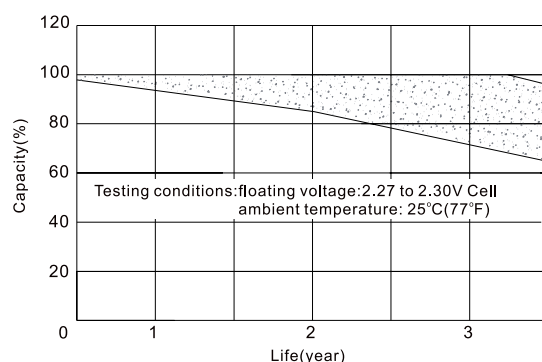
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	120 A	-5 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-3,3 mV/oC

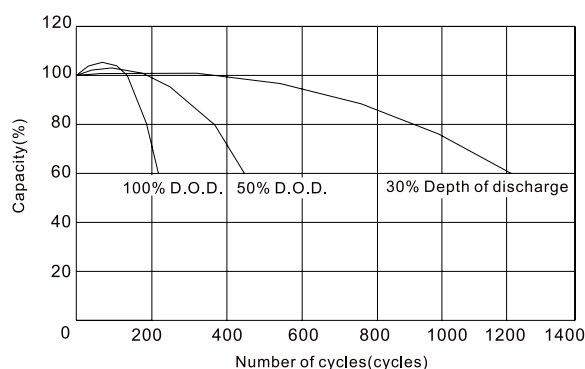
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



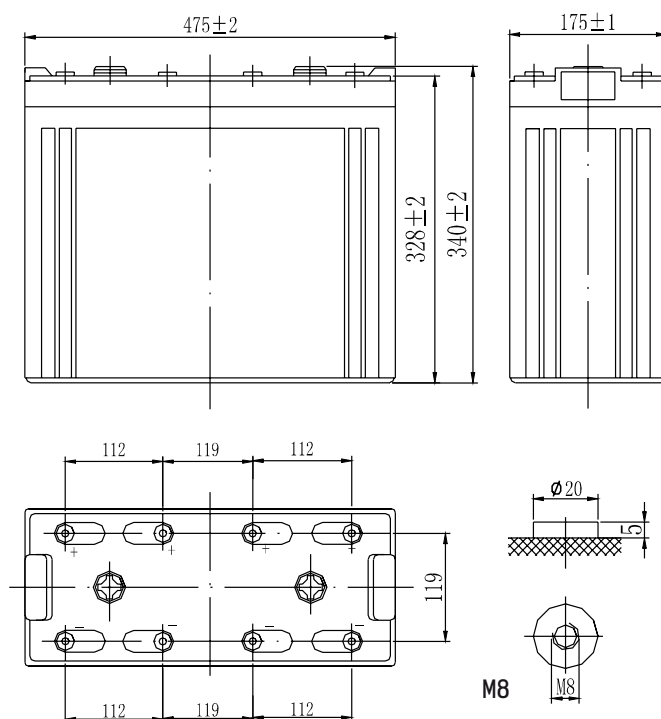
BIGBAT 2V 1000Ah

cod. 0021000



Dimensioni e peso Dimensions and weight

Lunghezza - Length	475 mm
Larghezza - Width	175 mm
Altezza - Height	328 mm
Altezza Totale - Total Height	367 mm
Peso appross. - Approx. Weight	66,5 Kg
Dev. peso - Weight deviation	± 3%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 0,65 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	4000 A (5s)
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

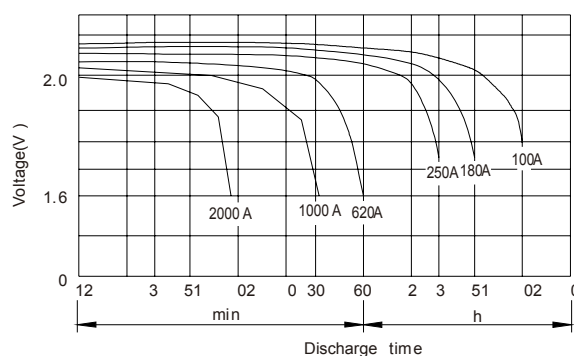
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (60 A, 10,5 V)	5 hour rate (108 A, 10,5 V)	1 hour rate (364 A, 9,6 V)
100 Ah	180 Ah	620 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

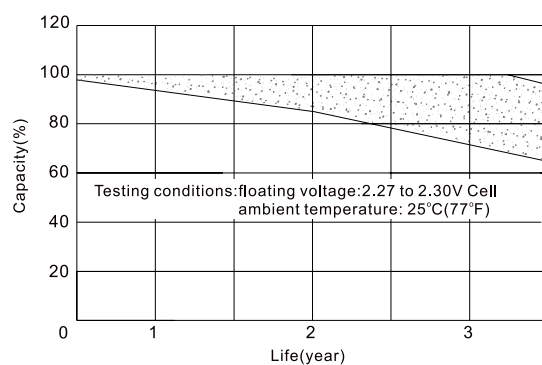
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	200 A	-5 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-3,3 mV/oC

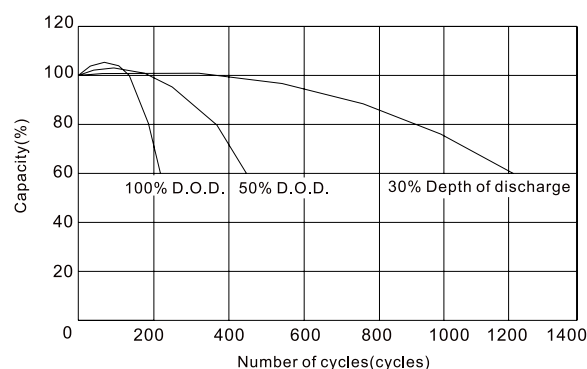
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



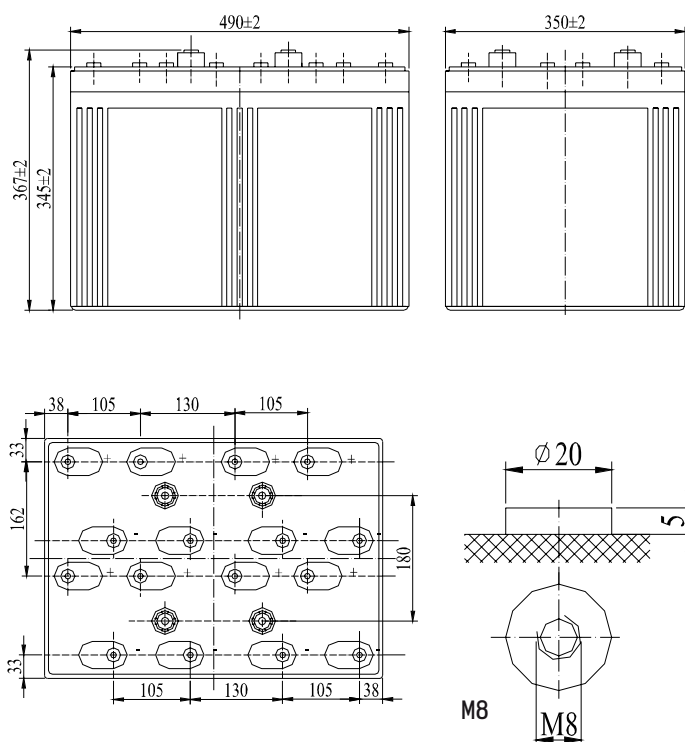
BIGBAT 2V 2000Ah

cod. 0022000



Dimensioni e peso Dimensions and weight

Lunghezza - Length	490 mm
Larghezza - Width	350 mm
Altezza - Height	345 mm
Altezza Totale - Total Height	382 mm
Peso appross. - Approx. Weight	132 Kg
Dev. peso - Weight deviation	± 3%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 0,55 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	4000 A (5s)
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

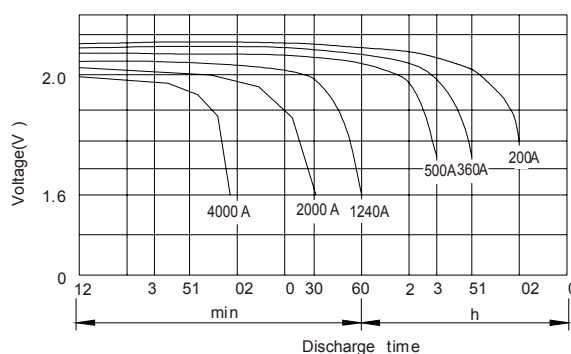
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (200 A, 10,5 V)	5 hour rate (360 A, 10,5 V)	1 hour rate (1240 A, 9,6 V)
2000 Ah	1800 Ah	1240 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

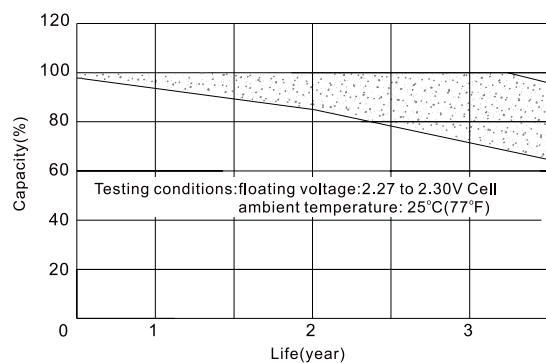
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	400 A	-5 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-3,3 mV/oC

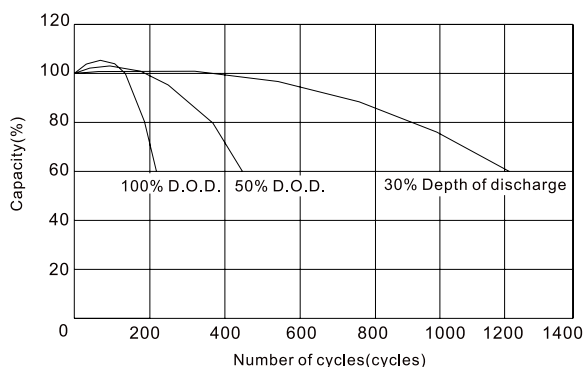
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



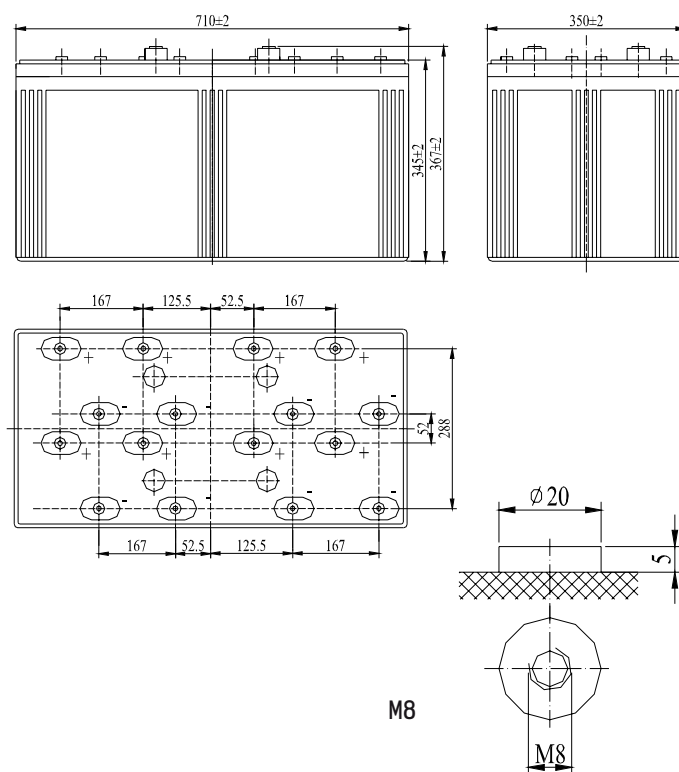
BIGBAT 2V 3000Ah

cod. 0023000



Dimensioni e peso Dimensions and weight

Lunghezza - Length	710 mm
Larghezza - Width	350 mm
Altezza - Height	345 mm
Altezza Totale - Total Height	382 mm
Peso appross. - Approx. Weight	210 Kg
Dev. peso - Weight deviation	± 3%



Costruzione batteria - Battery construction

Tensione d'esercizio - Nominal Voltage	12 V
Numero di celle - Number of cell	6
Ciclo di vita nominale - Design Life	10 years
Resistenza interna - Internal Resistance: batteria completamente carica - Fully charged battery 25°C	≤ 0,50 mOhms
Auto scaricamento - Self-Discharge: 3% riduzione di capacità al mese a 20° medi - 3% of capacity declined per month at 20°C (average)	
Max. corrente di scarica - Max. Discharge Current 25°C	7000 A (5s)
Metodi di carica - Charge Methods: Carica con voltaggio costante - Constant Voltage Charge 25°C	

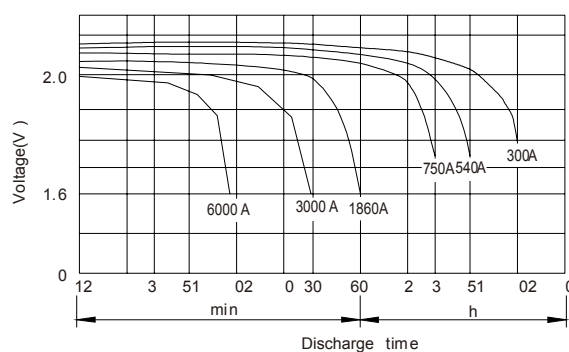
Capacità Nominale - Nominal Capacity 25°C		
10 hour rate (300 A, 10,5 V)	5 hour rate (540 A, 10,5 V)	1 hour rate (1860 A, 9,6 V)
3000 Ah	2700 Ah	1860 Ah

Campo di temperatura operativa - Operating Temperature Range		
Scarica - Discharge	Carica - Charge	Stoccaggio - Storage
-20~60 °C	-10~60°C	-20~60°C

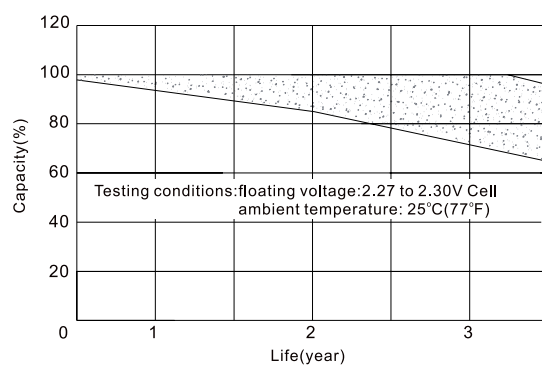
Uso ciclico - Cycle use		
Uso ciclico Cycle use	Corrente massima di carica Maximum charging current	Compensazione della temperatura Temperature compensation
2.40-2.45 VPC	600 A	-5 mV/oC

Uso in standby - Standby use	
Uso in standby Standby use	Compensazione della temperatura Temperature compensation
2.20-2.30 VPC	-3,3 mV/oC

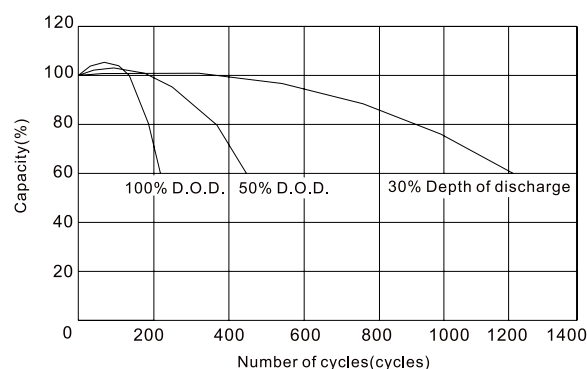
Discharge characteristics



Life characteristics of Standby use



Cycle service life in relation to depth of discharge



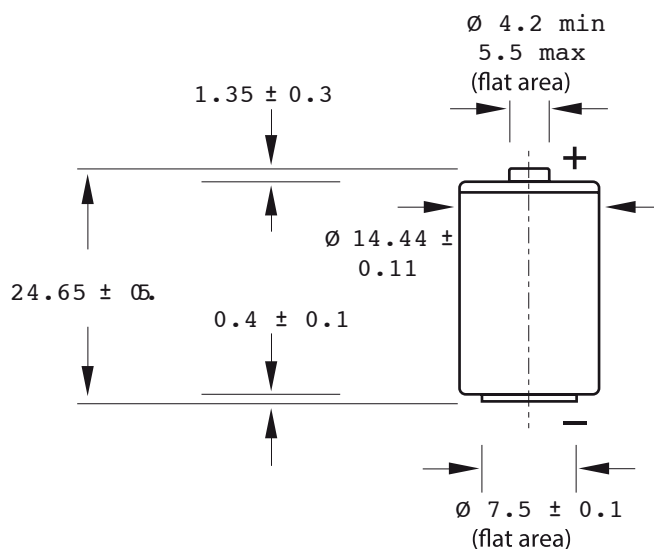
BIGBAT 3,6V (ER14250) – 1½ AA

cod. 0E14250



Caratteristiche fisiche Physical Characteristics

Diametro - Diameter (max)	14,55 mm
Altezza - Height (max)	25,15 mm
Peso - Weight	9,3 g
Contenuto di Litio Li metal content	approx. 0,3 g



Caratteristiche elettriche - Electrical Characteristics

(valori standard relativi a batterie conservate per un anno a meno di +30°C)
(typical values relative to cells stored for one year or less at +30°C max.)

Capacità nominale - Nominal capacity

(2mA +20°C 2.0V stacco. La capacità ripristinata dalla batteria varia in base alla corrente dispersa, alla temperatura e allo stacco a 2mA +20°C 2.0V)
(at 2 mA +20°C 2.0 V cut-off. The capacity restored by the cell varies according to current drain, temperature and cut-off)

1,2 Ah

Tensione a circuito aperto - Open circuit voltage (20°C)

3,67 V

Tensione nominale - Nominal voltage (0.2 mA +20°C)

3,6 V

Energia nominale - Nominal energy

4,32 Wh

Capacità d'impulso: di norma fino a 250 mA - Pulse capability: Typically up to 250 mA

(250 mA/0.1 impulsi al secondo, scaricato ogni 2mn a +20°C da celle non scaricate con 10µA corrente di base, risultato di voltaggio utile > 3.0V. I risultati possono variare a seconda delle caratteristiche dell'impulso, la temperatura, lo storico delle celle. Installare la batteria con un condensatore può essere consigliato in condizioni estreme) - (250 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 µA base current, yield voltage readings above 3.0 V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions)

Corrente continua massima raccomandata (Corrente più alta possibile)

35 mA

Maximum recommended continuous current (Higher currents possible)

Stoccaggio (raccomandato) - Storage (recommended)

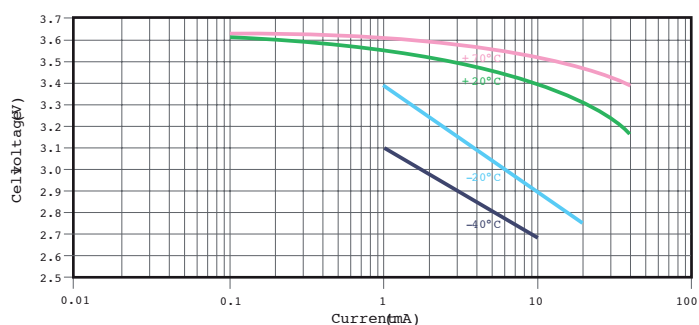
30°C max

Intervallo di temperatura di esercizio - Operating temperature range

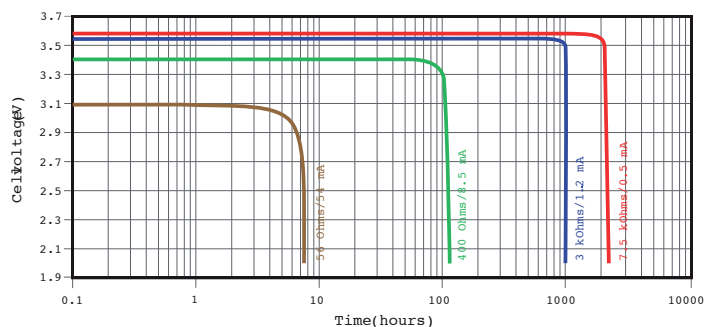
(L'utilizzo di una temperatura superiore a quella ambiente può portare a risultati di ridotta capacità e basso voltaggio all'inizio di ogni impulso) - (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses)

-55°C/+85°C

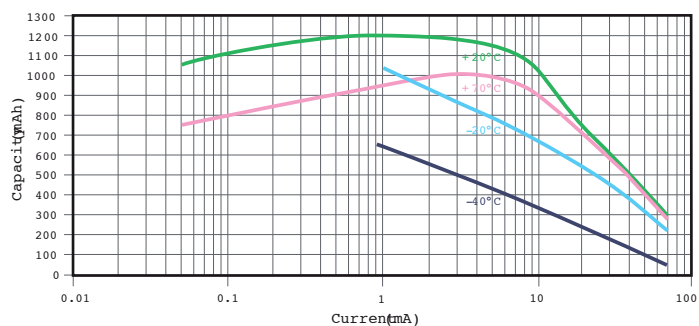
Voltage plateau versus Current and Temperature (at mid-discharge)



Typical discharge profiles at +20°C



Restored Capacity versus Current and Temperature (2.0 V cut-off)



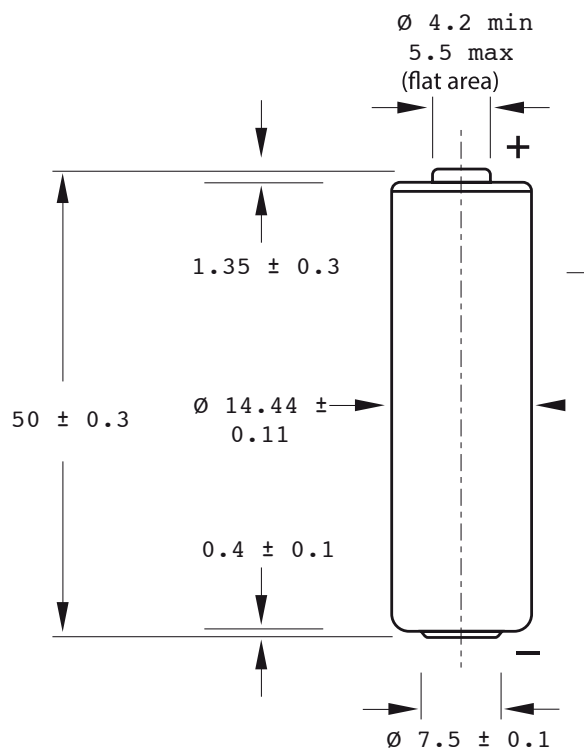
BIGBAT 3,6V (ER14505) - AA

cod. 0E14505



Caratteristiche fisiche Physical Characteristics

Diametro - Diameter (max)	14,55 mm
Altezza - Height (max)	50,3 mm
Peso - Weight	17 mm
Contenuto di Litio Li metal content	approx. 0,7 g



Caratteristiche elettriche - Electrical Characteristics

(valori standard relativi a batterie conservate per un anno a meno di +30°C)

(typical values relative to cells stored for one year or less at +30°C max.)

Capacità nominale - Nominal capacity

(2mA +20°C 2.0V stacco. La capacità ripristinata dalla batteria varia in base alla corrente dispersa, alla temperatura e allo stacco a 2mA +20°C 2.0V)

(at 2 mA +20°C 2.0 V cut-off. The capacity restored by the cell varies according to current drain, temperature and cut-off)

2,7 Ah

Tensione a circuito aperto - Open circuit voltage (20°C)

3,67 V

Tensione nominale - Nominal voltage (0.2 mA +20°C)

3,6 V

Energia nominale - Nominal energy

9,36 Wh

Capacità d'impulso: di norma fino a 250 mA - Pulse capability: Typically up to 250 mA

(250 mA/0.1 impulsi al secondo, scaricato ogni 2mn a +20°C da celle non scaricate con 10µA corrente di base, risultato di voltaggio utile > 3.0V. I risultati possono variare a seconda delle caratteristiche dell'impulso, la temperatura, lo storico delle celle. Installare la batteria con un condensatore può essere consigliato in condizioni estreme) - (250 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 µA base current, yield voltage readings above 3.0 V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions)

Corrente continua massima raccomandata (Corrente più alta possibile)

50 mA

Maximum recommended continuous current (Higher currents possible)

Stoccaggio (raccomandato) - Storage (recommended)

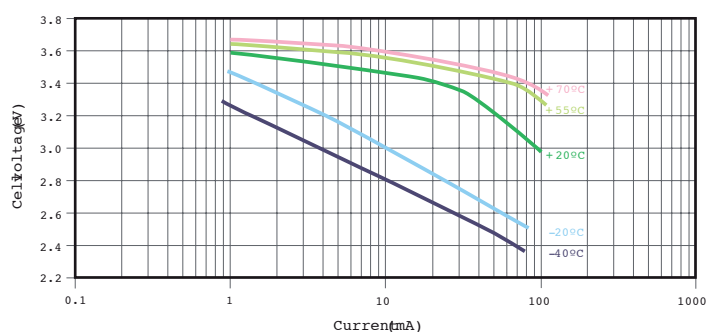
30°C max

Intervallo di temperatura di esercizio - Operating temperature range

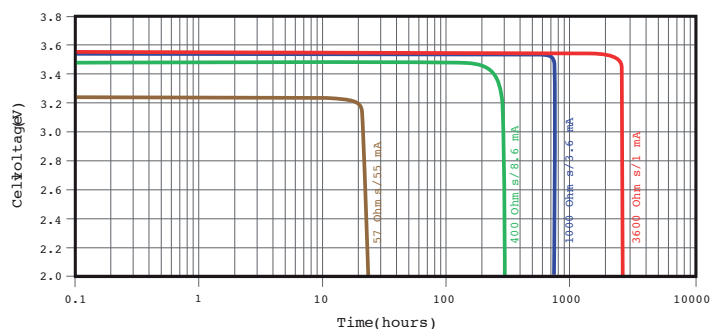
(L'utilizzo di una temperatura superiore a quella ambiente può portare a risultati di ridotta capacità e basso voltaggio all'inizio di ogni impulso) - (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses)

-55°C/+85°C

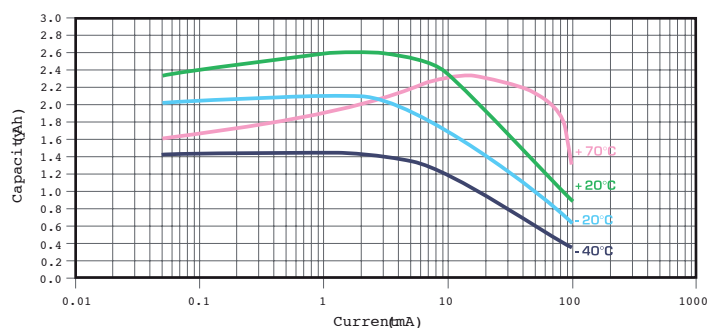
Voltage plateau versus Current and Temperature (at mid-discharge)



Typical discharge profiles at +20°C



Restored Capacity versus Current and Temperature (2.0 V cut-off)



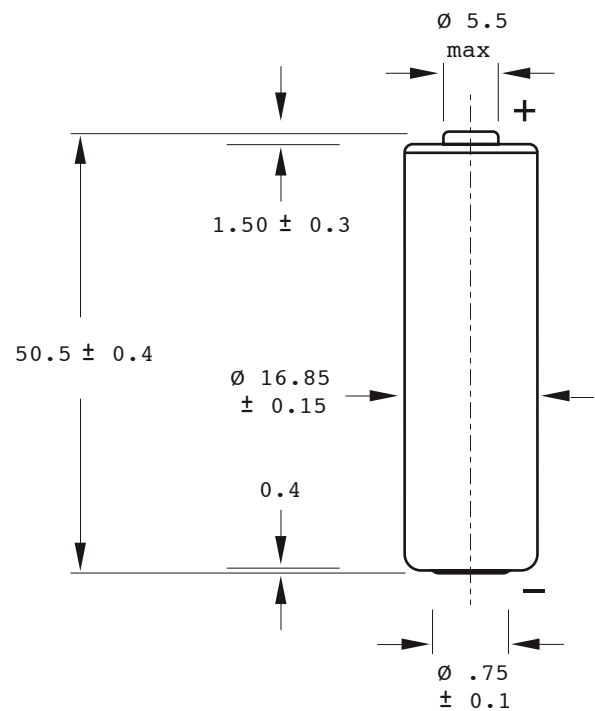
BIGBAT 3,6V (ER17505) - A

cod. 0E17505



Caratteristiche fisiche Physical Characteristics

Diametro - Diameter (max)	17 mm
Altezza - Height (max)	50,9 mm
Peso - Weight	21,9 g
Contenuto di Litio Li metal content	approx. 0,9 g



Caratteristiche elettriche - Electrical Characteristics

(valori standard relativi a batterie conservate per un anno a meno di +30°C)

(typical values relative to cells stored for one year or less at +30°C max.)

Capacità nominale - Nominal capacity

(2mA +20°C 2.0V stacco. La capacità ripristinata dalla batteria varia in base alla corrente dispersa, alla temperatura e allo stacco a 2mA +20°C 2.0V)

(at 2 mA +20°C 2.0 V cut-off. The capacity restored by the cell varies according to current drain, temperature and cut-off)

3,6 Ah

Tensione a circuito aperto - Open circuit voltage (20°C)

3,67 V

Tensione nominale - Nominal voltage (0.2 mA +20°C)

3,6 V

Energia nominale - Nominal energy

12,96 Wh

Capacità d'impulso: di norma fino a 250 mA - Pulse capability: Typically up to 250 mA

(250 mA/0.1 impulsi al secondo, scaricato ogni 2mn a +20°C da celle non scaricate con 10µA corrente di base, risultato di voltaggio utile > 3.0V. I risultati possono variare a seconda delle caratteristiche dell'impulso, la temperatura, lo storico delle celle. Installare la batteria con un condensatore può essere consigliato in condizioni estreme) - (250 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 µA base current, yield voltage readings above 3.0 V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions)

Corrente continua massima raccomandata (Corrente più alta possibile)

130 mA

Maximum recommended continuous current (Higher currents possible)

Stoccaggio (raccomandato) - Storage (recommended)

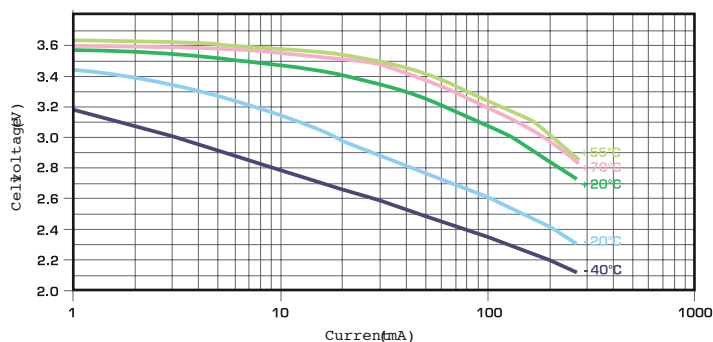
30°C max

Intervallo di temperatura di esercizio - Operating temperature range

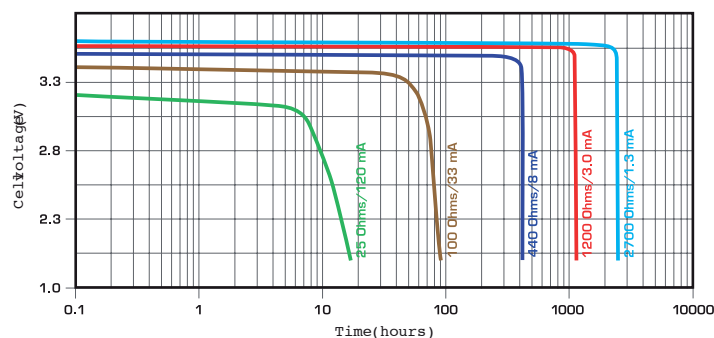
(L'utilizzo di una temperatura superiore a quella ambiente può portare a risultati di ridotta capacità e basso voltaggio all'inizio di ogni impulso) - (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses)

-55°C/+85°C

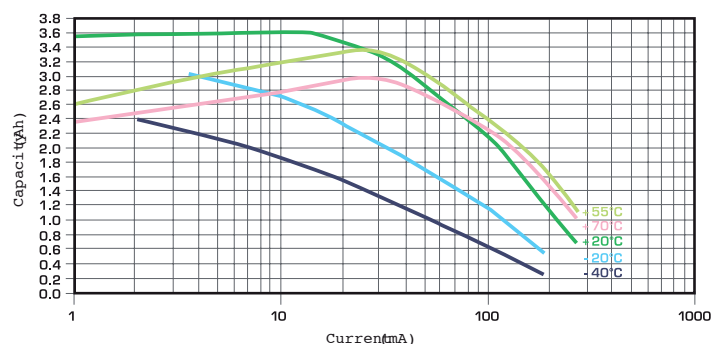
Voltage plateau versus Current and Temperature (at mid-discharge)



Typical discharge profiles at +20°C



Restored Capacity versus Current and Temperature (2.0 V cut-off)



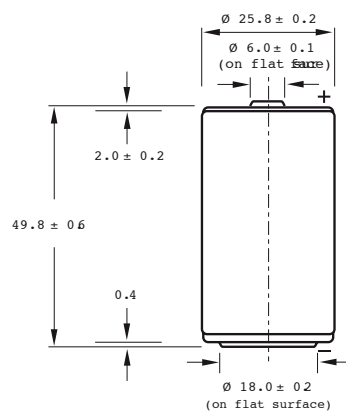
BIGBAT 3,6V (ER26500) - C

cod. 0E26500

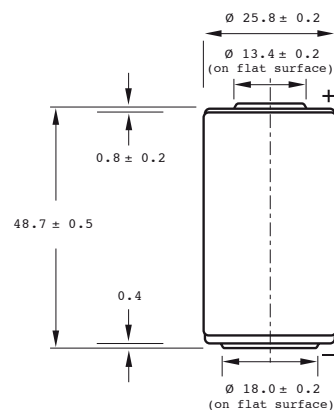


Caratteristiche fisiche Physical Characteristics

Diametro - Diameter (max)	26 mm
Altezza - Height (max)	50 mm
Peso - Weight	55 g
Contenuto di Litio Li metal content	approx. 0,9 g



Finished version with protruding positive end cap
Finished version with protruding positive end cap



Finished version with flat positive end cap
Finished version with flat positive end cap

Caratteristiche elettriche - Electrical Characteristics

(valori standard relativi a batterie conservate per un anno a meno di +30°C)

(typical values relative to cells stored for one year or less at +30°C max.)

Capacità nominale - Nominal capacity

(2mA +20°C 2.0V stacco. La capacità ripristinata dalla batteria varia in base alla corrente dispersa, alla temperatura e allo stacco a 2mA +20°C 2.0V)

(at 2 mA +20°C 2.0 V cut-off. The capacity restored by the cell varies according to current drain, temperature and cut-off)

9 Ah

Tensione a circuito aperto - Open circuit voltage (20°C)

3,67 V

Tensione nominale - Nominal voltage (0.2 mA +20°C)

3,6 V

Energia nominale - Nominal energy

27,72 Wh

Capacità d'impulso: di norma fino a 250 mA - Pulse capability: Typically up to 250 mA

(250 mA/0.1 impulsi al secondo, scaricato ogni 2mn a +20°C da celle non scaricate con 10µA corrente di base, risultato di voltaggio utile > 3.0V. I risultati possono variare a seconda delle caratteristiche dell'impulso, la temperatura, lo storico delle celle. Installare la batteria con un condensatore può essere consigliato in condizioni estreme) - (250 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 µA base current, yield voltage readings above 3.0 V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions)

Corrente continua massima raccomandata (Corrente più alta possibile)

150 mA

Maximum recommended continuous current (Higher currents possible)

Stoccaggio (raccomandato) - Storage (recommended)

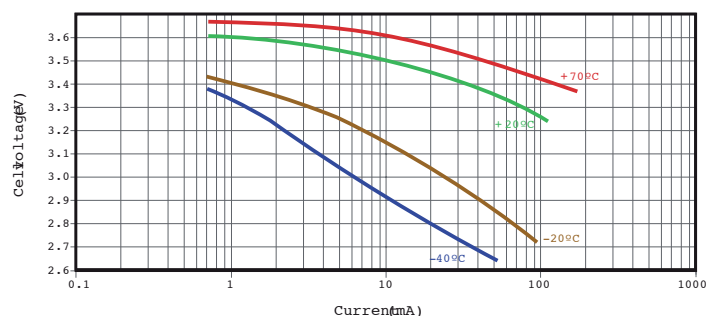
30°C max

Intervallo di temperatura di esercizio - Operating temperature range

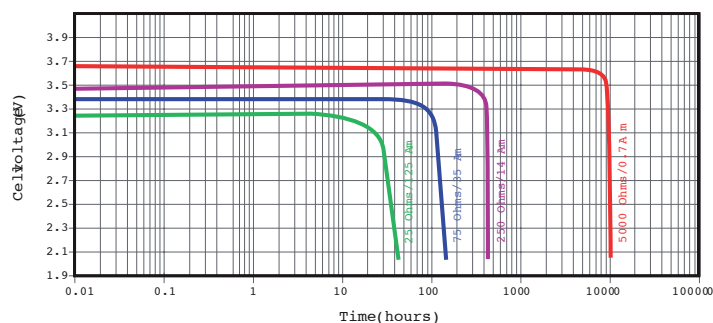
(L'utilizzo di una temperatura superiore a quella ambiente può portare a risultati di ridotta capacità e basso voltaggio all'inizio di ogni impulso) - (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses)

-55°C/+85°C

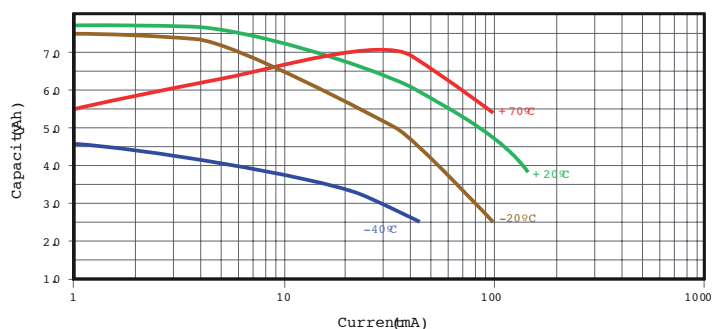
Voltage plateau versus Current and Temperature (at mid-discharge)



Typical discharge profiles at +20°C



Restored Capacity versus Current and Temperature (2.0 V cut-off)



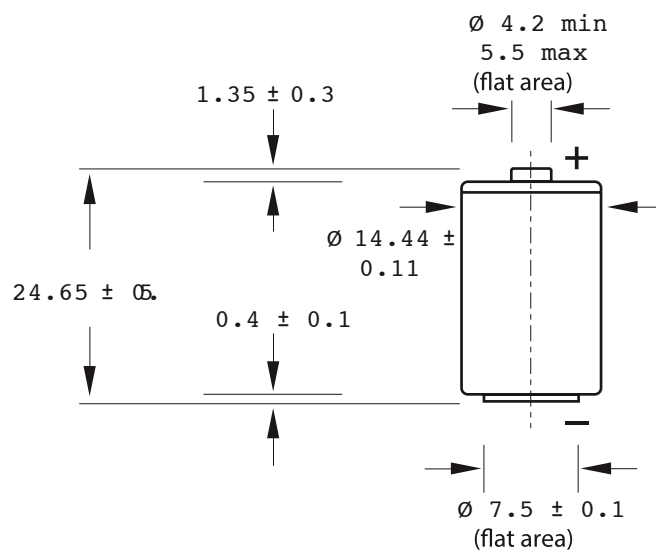
BIGBAT 3V (CR14250) - 1½ AA

cod. 0C14250



Caratteristiche fisiche Physical Characteristics

Diametro - Diameter (max)	14 mm
Altezza - Height (max)	25 mm
Peso - Weight	9 g
Contenuto di Litio Li metal content	approx. 0,3 g

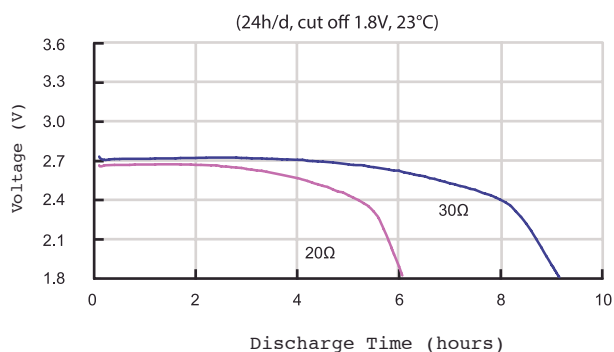


Specifiche - Specifications

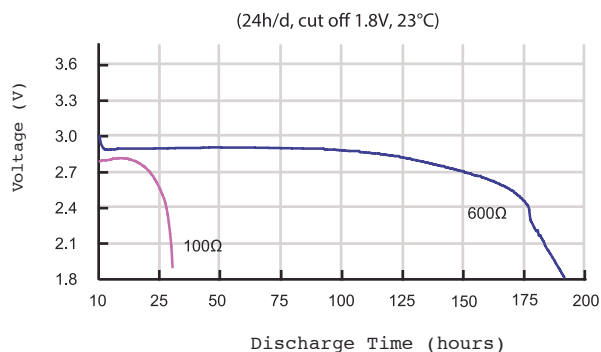
Classificazione - Classification	Litio - Lithium
Sistema chimico - Chemical System	Litio / Biossido di Manganese - Lithium / Manganese Dioxide (Li/MnO ₂)
Tensione nominale - Nominal Voltage	3 V
Capacità nominale - Nominal Capacity	800 mAh @ 10mA to 1.8V at 23°C
Terminali - Terminals	Piatto, Terminale negativo convesso - Flat, Recessed Negative Terminal
Guaina - Jacket	Etichetta in PVC - PVC Resin Label
Durata a scaffale - Shelf Life	Più di 10 anni - Up to 10 years
Peso medio - Average Weight	10 g
Temperatura operativa - Operating Temp	-40°C to 60°C
Applicazioni - Applications	Foto e videocamere, torce, memoria di back-up, strumentazioni mediche, misuratori (gas, elettricità, acqua), photo flash, pistole codice a barre, ecc. Cameras, Flashlights, memory back-up, medical equipment, meters (gas/electric/water), photo flash, electronic guns, etc.

Typical Discharge Characteristics

Rated Capacity



Photoflash



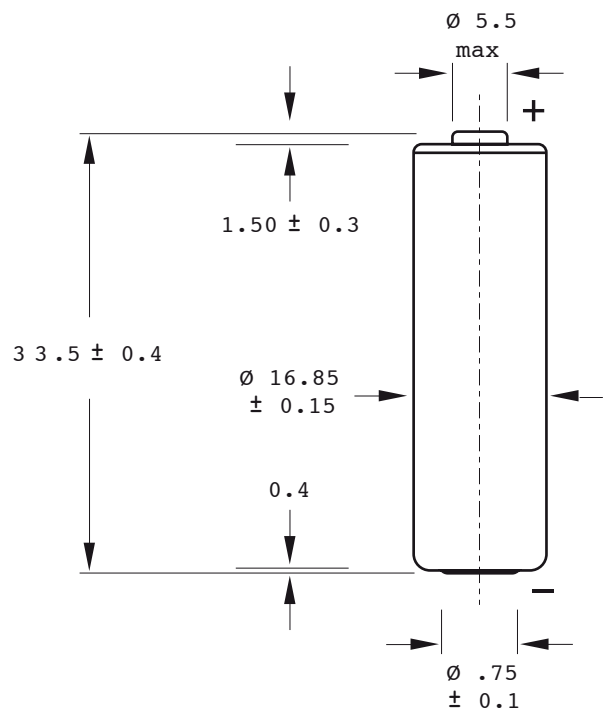
BIGBAT 3V (CR17335) 123 A

cod. 0C17335



Caratteristiche fisiche Physical Characteristics

Diametro - Diameter (max)	17 mm
Altezza - Height (max)	33,5 mm
Peso - Weight	16 g
Contenuto di Litio Li metal content	approx. 0,7 g



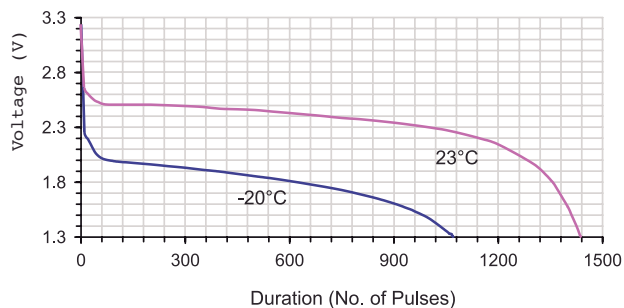
Specifiche - Specifications

Classificazione - Classification	Litio - Lithium
Sistema chimico - Chemical System	Litio / Biossido di Manganese - Lithium / Manganese Dioxide (Li/MnO ₂)
Titolo - Designation	IEC-CR17345
Tensione nominale - Nominal Voltage	3 V
Capacità - Typical Capacity	1500 mAh (2V) (Rated at 100 ohms at 21°C)
Peso - Typical Weight	17 g
Volume - Typical Volume	7 cm ³
Scarica massima - Max Discharge	1500 mA continuous (3500 mA pulse)
Carica invertita massima - Max Rev Charge	2 uA
Li Content - Typical Li Content	0,7 g
Temperatura operativa - Operating Temp	-40°C to 60°C
Temperatura di stoccaggio - Storage Temp	-40°C to 60°C

Typical Discharge Characteristics

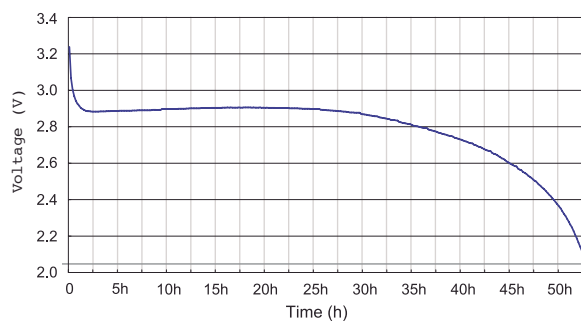
Rated Capacity

1200mA Pulse discharge to 1.3V at various temperature



Photoflash

30mA continuous discharge to 2V at 23°C



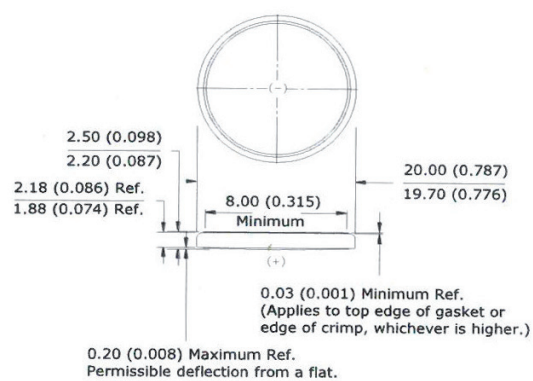
BIGBAT 3V (CR2025)

cod. 0C2025



Caratteristiche fisiche Physical Characteristics

Diametro - Diameter (max)	8 mm
Altezza - Height (max)	2,5 mm
Peso - Weight	2,7 g
Contenuto di Litio Li metal content	approx. 0,08 g

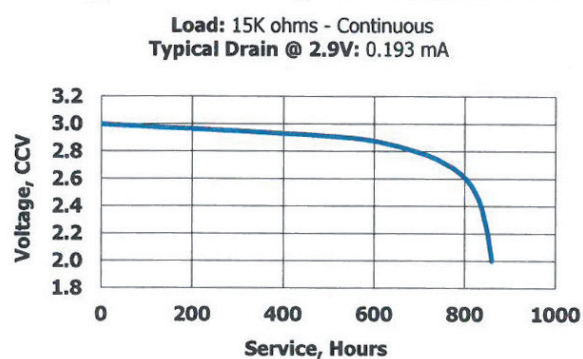


Specifiche - Specifications

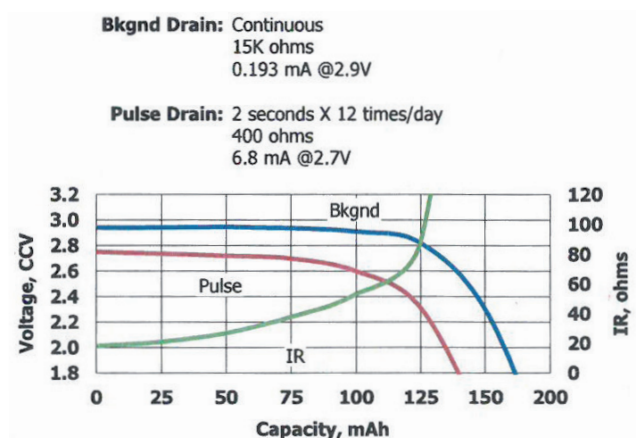
Classificazione - Classification	Litio - Lithium
Sistema chimico - Chemical System	Litio / Biossido di Manganese - Lithium / Manganese Dioxide (Li/MnO ₂)
Titolo - Designation	ANSI / NEDA-5004LC, IEC-CR2025
Tensione nominale - Nominal Voltage	3 V
Capacità - Typical Capacity	163 mAh (2V) (Rated at 15K ohms at 21°C)
Peso - Typical Weight	2,7 g
Volume - Typical Volume	0,8 cm ³
IR - Typical IR	10000-40000 m Ω
Carica invertita massima - Max Rev Charge	1 microampere
Densità energia - Energy Density	176 milliwatt hr/g, 616 milliwatt hr/cc
Li Content - Typical Li Content	0,08 g
UL approvato - UL Recognized	MH29980
Temperatura operativa - Operating Temp	-30°C to 60°C
Auto scarica - Self Discharge	~1% / year

Test di applicazione simulata - Simulated Application Test			
Prestazioni tipiche a 21°C- Typical performance at 21°C			
Programma - Shedule	Scariche tipiche - Typical drains 2.9 V	Carica - Load	Limite massimo - Cutoff 2 V
Continuous	0,193 mA	15000 ohms	845 h

Typical Discharge Characteristics



Internal Resistance Characteristics



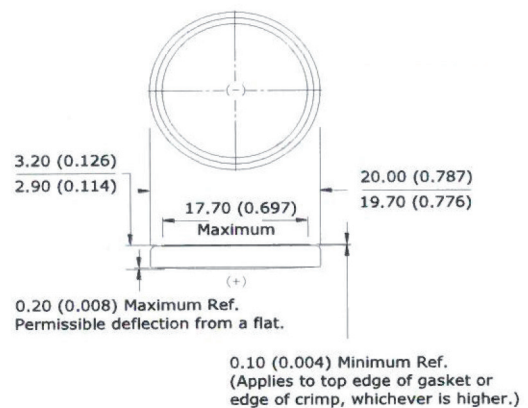
BIGBAT 3V (CR2032)

cod. 0C2032



Caratteristiche fisiche Physical Characteristics

Diametro - Diameter (max)	17,7 mm
Altezza - Height (max)	3,2 mm
Peso - Weight	3,2 g
Contenuto di Litio Li metal content	approx. 0,11 g

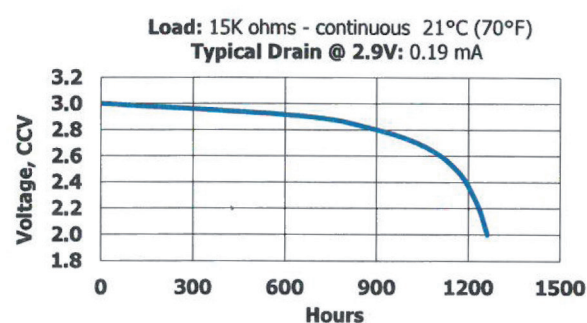


Specifiche - Specifications

Classificazione - Classification	Lithium Coin
Sistema chimico - Chemical System	Lithium / Manganese Dioxide (Li/MnO ₂)
Titolo - Designation	ANSI / NEDA-5004LC, IEC-CR2025
Tensione nominale - Nominal Voltage	3 V
Capacità - Typical Capacity	240 mAh (2V) (Rated at 15K ohms at 21°C)
Peso - Typical Weight	3 g
Volume - Typical Volume	1 cm ³
IR - Typical IR	10000-40000 m Ω
Carica invertita massima - Max Rev Charge	1 microampere
Densità energia - Energy Density	198 milliwatt hr/g, 653 milliwatt hr/cc
Li Content - Typical Li Content	0,11 g
UL approvato - UL Recognized	MH29980
Temperatura operativa - Operating Temp	-30°C to 60°C
Auto scarica - Self Discharge	~1% / year

Test di applicazione simulata - Simulated Application Test			
Prestazioni tipiche a 21°C - Typical performance at 21°C			
Programma - Shedule	Scariche tipiche - Typical drains 2.9V	Carica - Load	Limite massimo - Cutoff 2V
Continuous	0,19 mA	15000 ohms	1263 h

Continuous Discharge Characteristics



Pulse Discharge Characteristics

