

DEEP CYCLE GEL BATTERY

BPG12-200(12V200Ah)

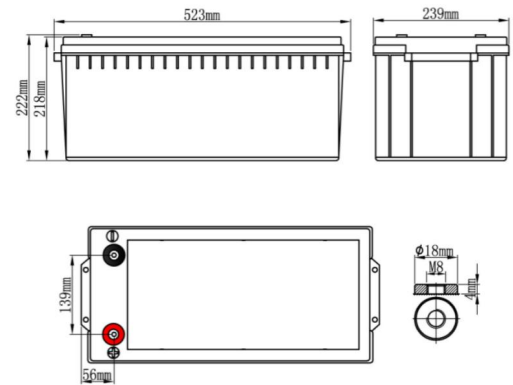
3V3A
BRAVA BATTERY

Specifications

Rated Voltage	12V	
Nominal Capacity	200Ah	(C10 , 1.8V/cell)
Dimension	Length	523±2mm (20.92inches)
	Width	239±2mm (9.56 inches)
	Container Height	218±2mm (8.72 inches)
	Total Height	222±2mm (8.88 inches)
Weight	Approx.58.3 Kg (127.6 lbs)	
Terminal	F12(M8)	
Container Material	A.B.S. UL94-HB, UL94-V0 Optional	
Rated Capacity(25°C)	212.00 Ah	(20hr, 1.75V/cell)
	200.00 Ah	(10hr, 1.8V/cell)
	170.00 Ah	(5hr, 1.75V/cell)
	150.00 Ah	(3hr, 1.75V/cell)
Max. Discharge Current	2000A (5s)	
Internal Resistance(25°C)	Approx 4.2mΩ	
Operating Temp. Range	Discharge	-40 ~ 60°C (-4 ~ 140°F)
	Charge	-20 ~ 50°C (14 ~ 122°F)
	Storage	-40 ~ 60°C (-4 ~ 140°F)
Nominal Operating Temp.Range	25±5°C (77±5°F)	
Cycle Use	Initial Charging Current less than 50A. Voltage 14.2V~14.4V at 25 ° C (77°F)Temp. Coefficient -4mV/ °C	
Standby Use	Initial Charging Current less than 50A. Voltage 13.6V~13.8V at 25 ° C (77°F)Temp. Coefficient -3mV/°C	
Effect of temp. to Capacity	40° C (104°F)	103%
	25°C (77°F)	100%
	0° C (32°F)	86%
Self Discharge	BPG series batteries may be stored for up to 6 months at 25° C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Layout



Constant Current Discharge Data Sheet (@25°C) Unit: A											
End Voltage (V)	10 min	15 min	30 min	1h	1.5 h	2 h	3 h	5 h	8 h	10 h	20 h
1.60V	471	372	210	124	99.0	84.0	53.0	36.5	24.6	20.8	10.9
1.65V	449	355	200	121	97.0	82.0	51.0	35.6	24.2	20.6	10.8
1.70V	428	338	190	119	95.0	80.0	50.0	34.8	23.7	20.4	10.7
1.75V	408	321	181	116	92.0	78.0	49.0	34.0	23.2	20.2	10.6
1.80V	388	307	172	113	90.0	76.0	48.0	33.1	22.8	20.0	10.5

Constant Power Discharge Data Sheet (@25°C) Unit: W											
End Voltage (V)	10 min	15 min	30 min	1h	1.5 h	2 h	3 h	5 h	8 h	10 h	20 h
1.60V	4664	4069	2701	1590	1171	876	653	422	319	247	133
1.65V	4442	3875	2572	1551	1143	855	638	412	313	245	132
1.70V	4231	3691	2449	1514	1115	834	622	401	307	242	130
1.75V	4029	3514	2332	1477	1088	814	607	392	301	240	129
1.80V	3837	3348	2222	1440	1061	794	592	382	295	238	128

DEEP CYCLE GEL BATTERY

BPG12-200(12V200Ah)

BVBA
BRAVA BATTERY

Applications

- Pumps systems
- Solar lighting systems
- Telecom stations and power stations
- Solar/wind energy storage systems

General Features

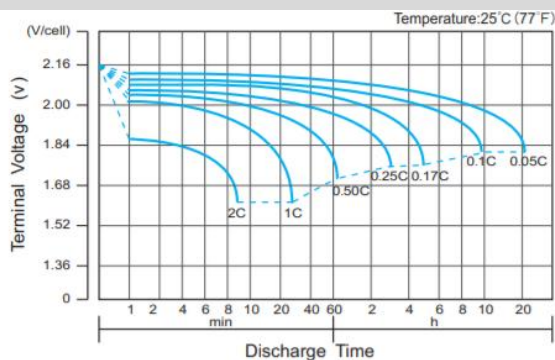
- 15-18 years design life(25°C)
- Adopt advanced GEL technology
- High purity raw material
- Thick plate design
- Special grid alloy and paste formula
- High-temperature curing technology and low

Standards

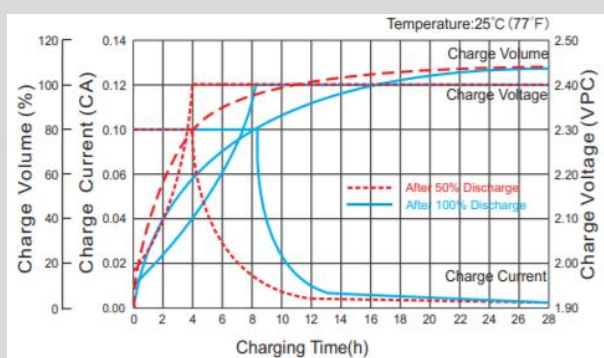
- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in ISO45001,ISO 9001 and ISO 14001 certified production facilities

⚠ NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation

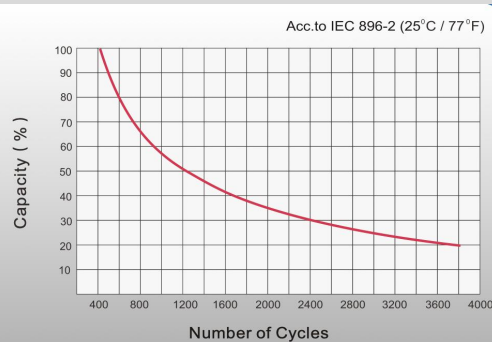
Discharge Characteristics



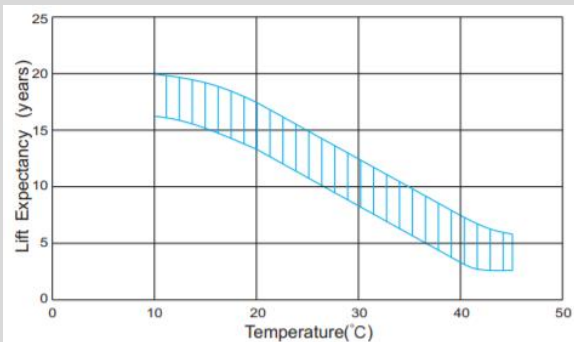
Charge Characteristic



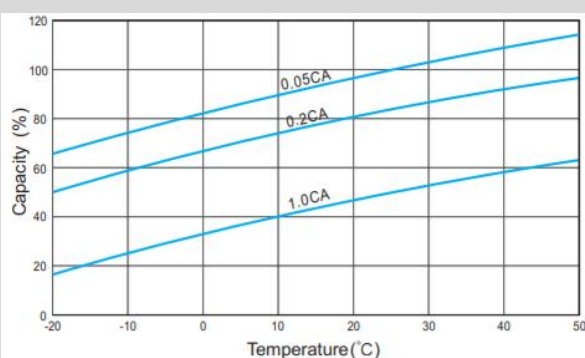
Cycle Life in Relation to Depth of Discharge



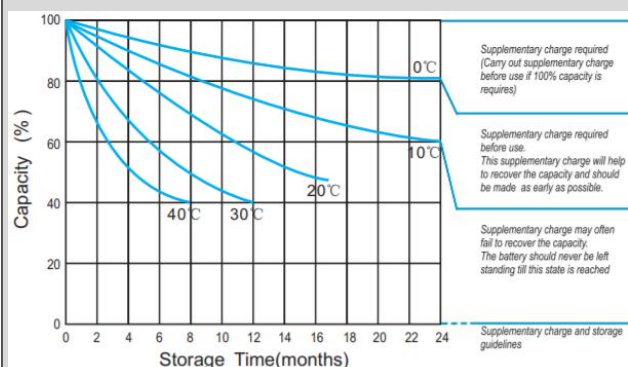
Temperature vs Float Life



Capacity Curve At Different Temperature



Self Discharge Characteristics



BVBA
BRAVA BATTERY

www.bravabatteries.com

Brava Batteries Co.,Ltd
Dinh Tram Industrial Zone, Viet Yen Dist
Bac Giang Province, Vietnam



sales@bravabatteries.com