

BVBA
BRAVA BATTERY

Rated Voltage		12V
Nominal Capacity	121Ah	(C10 ,1.8V/cell)
Dimension	Length	341±2mm (13.64inches)
	Width	172±2mm (6.88 inches)
	Container Height	281±2mm (11.24 inches)
	Total Height	287±2mm (11.48 inches)
Weight	Approx.38.53 Kg (84.77 lbs)	
Terminal	F12(M8)	
Container Material	A.B.S. UL94-HB, UL94-V0 Optional	
Rated Capacity(25°C)	127.4 Ah	(20hr, 1.75V/cell)
	121.00 Ah	(10hr,1.8V/cell)
	103 Ah	(5hr,1.75V/cell)
	90.9 Ah	(3hr,1.75V/cell)
Max. Discharge Current	1200A (5s)	
Internal Resistance(25°C)	Approx 3.5mΩ	
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 36A. Voltage 14.1V~14.4V at 25 ° C (77°F)Temp. Coefficient -4mV/ °C	
Standby Use	Initial Charging Current less than 36A. 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.	



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	3151	2613	1687	984	717	536	400	259	196	151	81.3
1.65V	3002	2488	1607	960	699	523	391	253	192	150	80.5
1.70V	2858	2369	1530	936	683	510	381	246	188	148	79.8
1.75V	2722	2256	1457	913	666	498	372	240	184	147	79.0
1.80V	2593	2149	1388	891	649	486	363	234	181	145	78.2

Applications

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

General Features

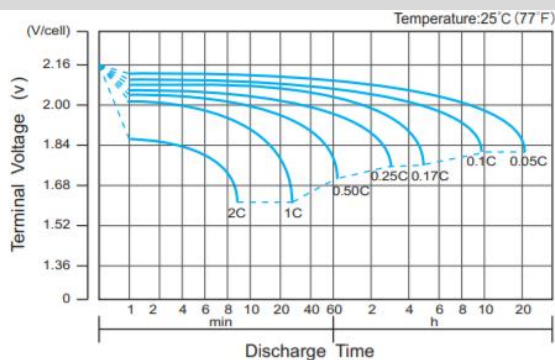
- 15-18 years design life(25°C)
- Adopt advanced GEL technology
- High purity raw material
- Thick plate design
- Special grid alloy and paste formula
- High-temperature curing technology and low

Standards

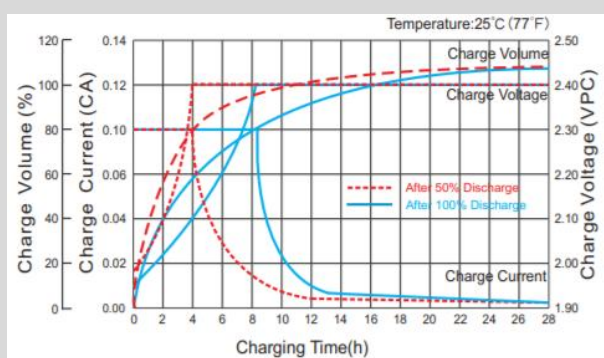
- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in ISO45001,ISO 9001 and ISO 14001 certified production facilities

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

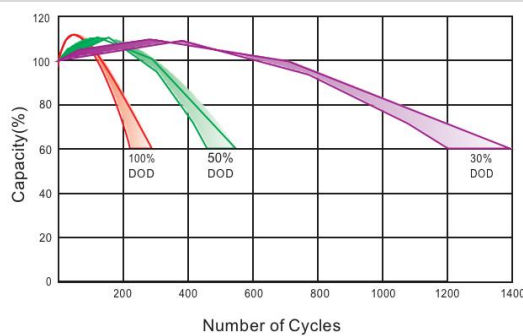
Discharge Characteristics



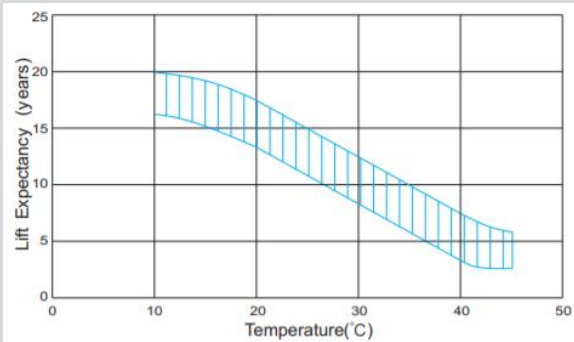
Charge Characteristic



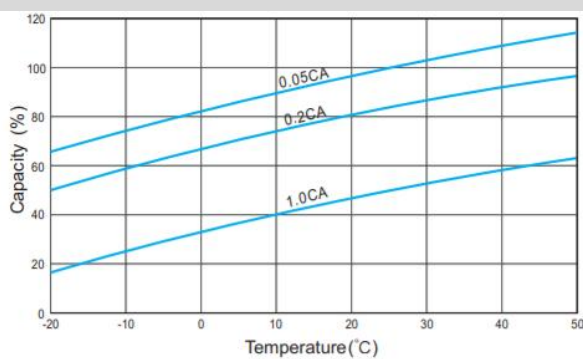
Cycle Life in Relation to Depth of Discharge



Temperature vs Float Life



Capacity Curve At Different Temperature



Self Discharge Characteristics

