



Deep Cycle SLA Battery

Range Summary

By combining up-to-date DCP additives in the positive plates and special AGM separators, BSB created an innovative range of DC batteries. The range features 70% higher cyclic life with 12 years of float life when compared with standard Duration range. The battery series is highly suited to very unreliable power applications requiring the batteries to provide extra cyclic life performance such as outdoor applications, small RE systems and electric vehicles.

Application

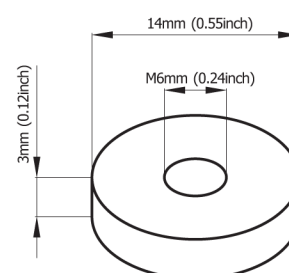
- Solar Energy System
- Golf Cars and Buggies
- Electric Powered Vehicles
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

General Features

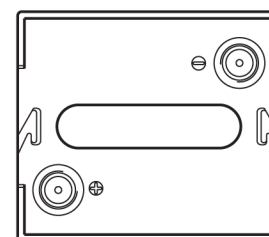
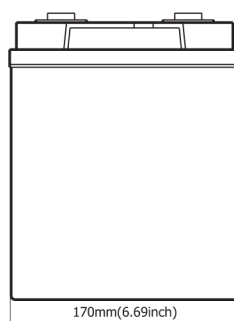
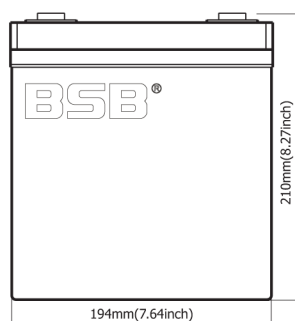
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94 V0,optional).
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexible design for multiple installation positions.

Construction

- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorAGM
- ElectrolyteSulfuric acid

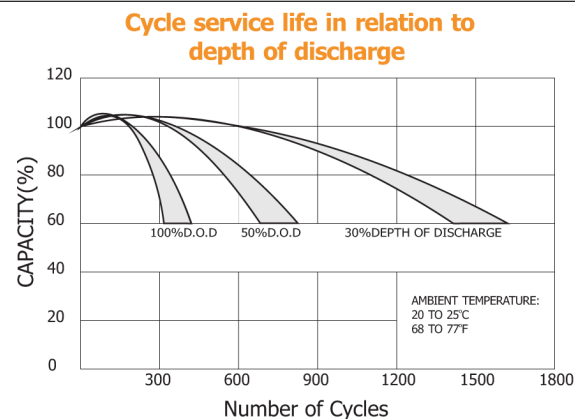
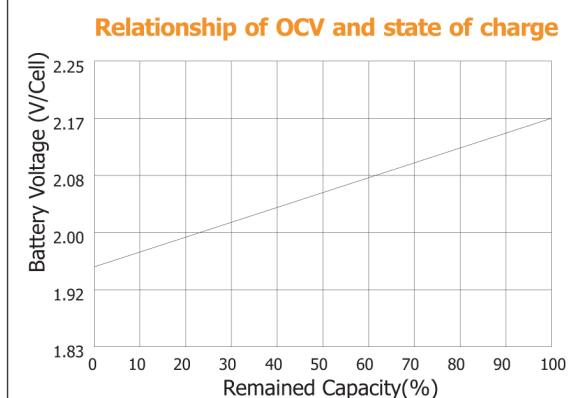
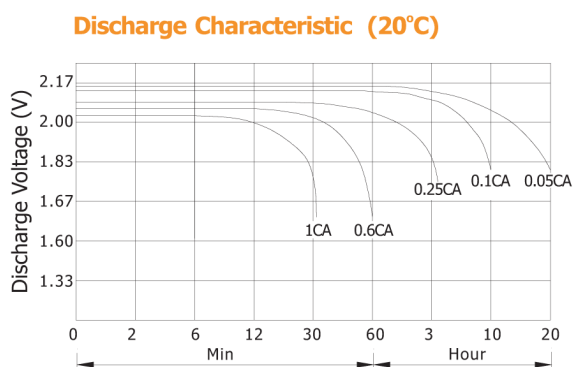
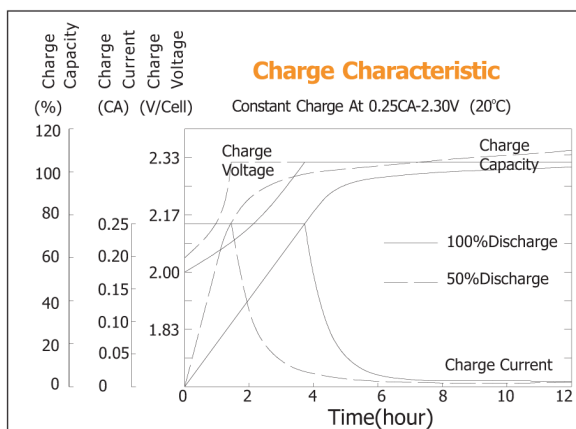


Terminal Dimensions



Battery Model	DC 6-100			
Designed Cycle Life	> 350 cycles @ -0.5CA to 9.6V			
Capacity(20°C)	20HR(5.3A,1.80V)	10HR(10A,1.80V)	5HR(17.9A,1.75V)	1HR(64.7A,1.60V)
	106Ah	100Ah	89.5AH	64.7Ah
Dimensions	Length	Width	Height	Total Height
	194mm(7.64inch)	170mm(6.69inch)	205mm(8.07inch)	210mm(8.27inch)
Approx. Weight	16.5Kg (36.4 lbs)			
Internal Resistance	Full charged at 20°C: 0.0035 Ohm			
Self Discharge	3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(20HR)	40°C	20°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	7.2-7.4V(-15mV/ °C), max. Current: 25A		6.8-6.9V(-10mV/ °C)	





Constant current discharge ratings-amperes at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	437	272	205	125	64.7	32.8	19.1	10.4	5.89
1.67V	410	258	197	120	63.8	31.5	18.7	10.3	5.69
1.70V	376	249	193	109	61.9	29.4	18.3	10.2	5.60
1.75V	369	241	187	103	59.0	28.4	17.9	10.2	5.45
1.80V	330	230	169	95.8	55.2	27.3	16.8	10.0	5.30
1.85V	291	219	152	88.1	51.4	26.3	15.7	9.86	5.16

Constant power discharge ratings-watts at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	767	491	375	225	135	58.1	33.8	22.4	11.8
1.67V	740	479	370	221	134	56.3	33.7	22.3	11.3
1.70V	697	474	367	207	131	53.8	33.3	22.1	11.2
1.75V	701	473	364	201	129	52.5	33.0	21.8	10.9
1.80V	642	466	337	191	122	51.0	31.9	21.6	10.6
1.85V	582	442	306	179	114	49.4	30.9	21.3	10.2

