



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

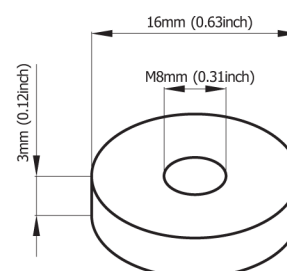
- Solar Energy System
- Golf Cars and Buggies
- Electric Powered Vehicles
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

General Features

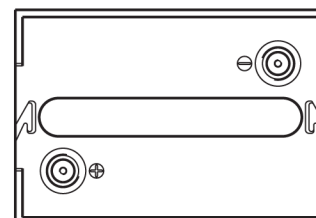
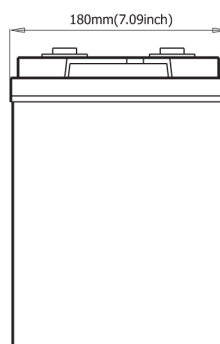
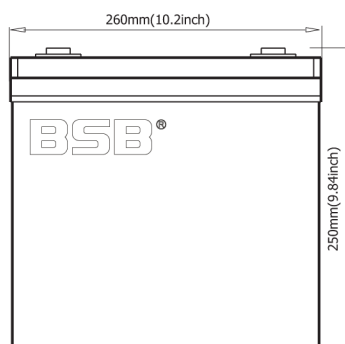
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94 V0,optional).
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
-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

Construction

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



Terminal Dimensions

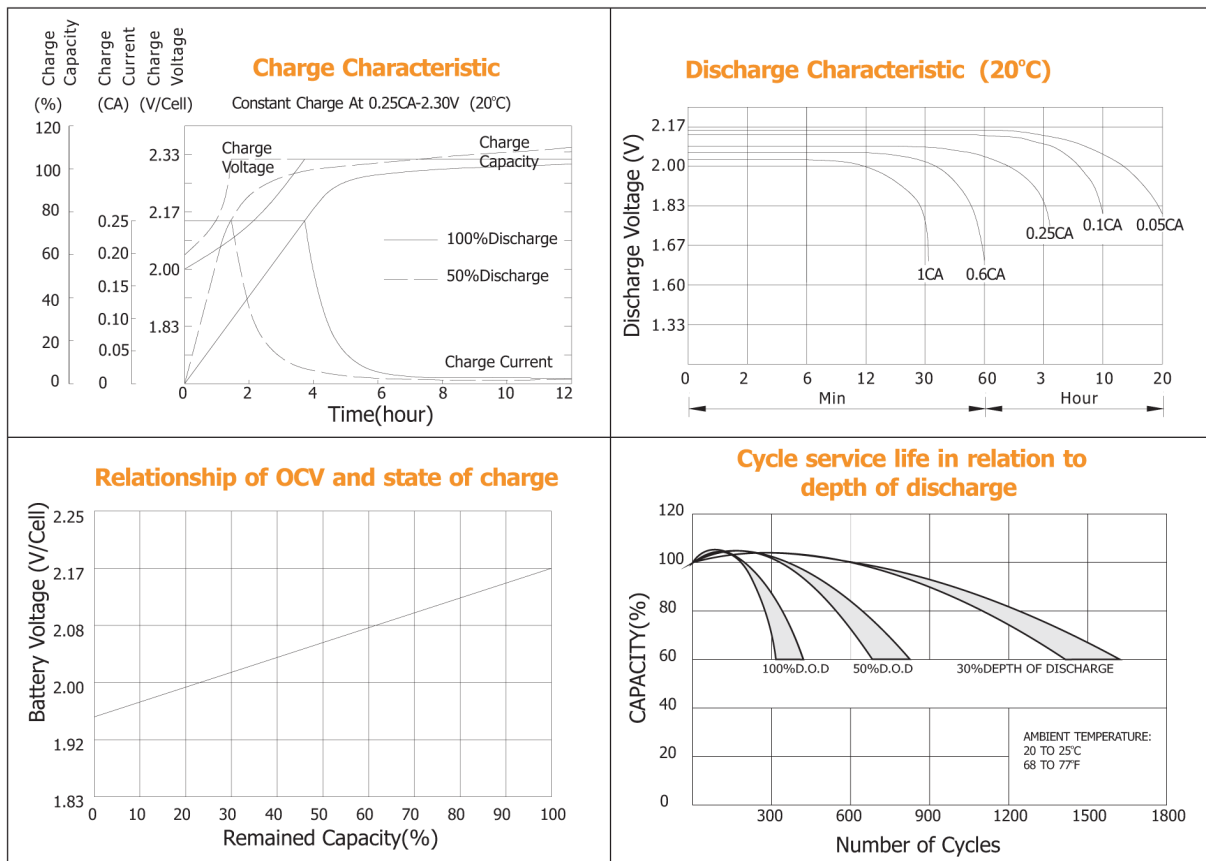


Battery Model	DC 6-150			
Designed Cycle Life	> 350 cycles @ -0.5CA to 4.8V			
Capacity(20°C)	20HR(7.94A,1.80V)	10HR(15.0A,1.80V)	5HR(25.6A,1.75V)	1HR(94.1A,1.75V)
	159Ah	150Ah	128Ah	94.1Ah
Dimensions	Length	Width	Height	Total Height
	260mm(10.2inch)	180mm(7.09inch)	245mm(9.65inch)	250mm(9.84inch)
Approx. Weight	23.5Kg (51.8 lbs)			
Internal Resistance	Full charged at 20°C: 0.0033 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: 37.5A		6.8-6.9V(-10mV/ °C)	

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Current Automation
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Constant current discharge ratings-amperes at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	525	360	263	158	94.1	41.0	26.0	15.9	8.30
1.67V	473	329	255	153	93.9	40.8	25.8	15.7	8.27
1.70V	449	317	246	150	93.6	40.8	25.8	15.5	8.27
1.75V	399	293	233	147	92.6	40.5	25.6	15.3	8.23
1.80V	360	272	222	143	91.5	40.4	25.4	15.0	7.94
1.85V	273	224	192	131	90.5	40.2	25.2	14.7	7.47

Constant power discharge ratings-watts at 20°C

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	866	597	465	297	185	78.6	49.8	31.8	16.6
1.67V	821	590	461	291	179	78.6	49.8	31.3	16.5
1.70V	767	575	453	284	174	78.6	49.8	31.1	16.5
1.75V	714	537	426	276	173	77.4	49.3	30.6	16.5
1.80V	641	500	401	269	170	76.4	48.5	30.0	15.9
1.85V	513	414	350	246	168	76.1	47.8	29.5	14.9



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