

Deep Cycle SLA Battery

**DC SERIES**

DC (Deep cycle) Series batteries are designed for deep discharge application, with special chemical formula for plates active paste material, slightly stronger electrolyte and low temperature design, which can withstand repeated deep cyclic application, such as Solar Energy System, Golf Trolley, Electric

**Application**

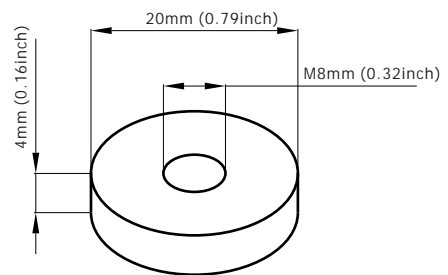
- Solar Energy System
- Golf Cars and Buggies
- Electric Powered Vehicles
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

**General Features**

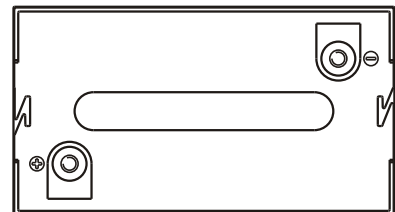
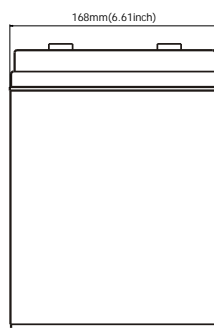
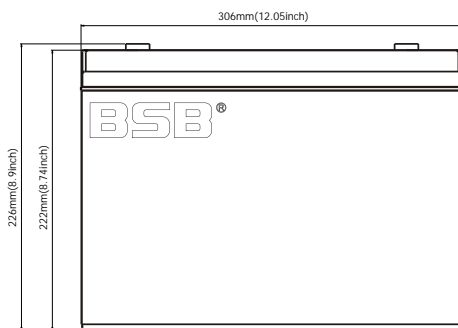
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

**Construction**

- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve ....EPDR
- Terminal .....Copper
- Separator .....Fibre glass
- Electrolyte .....Sulfuric acid

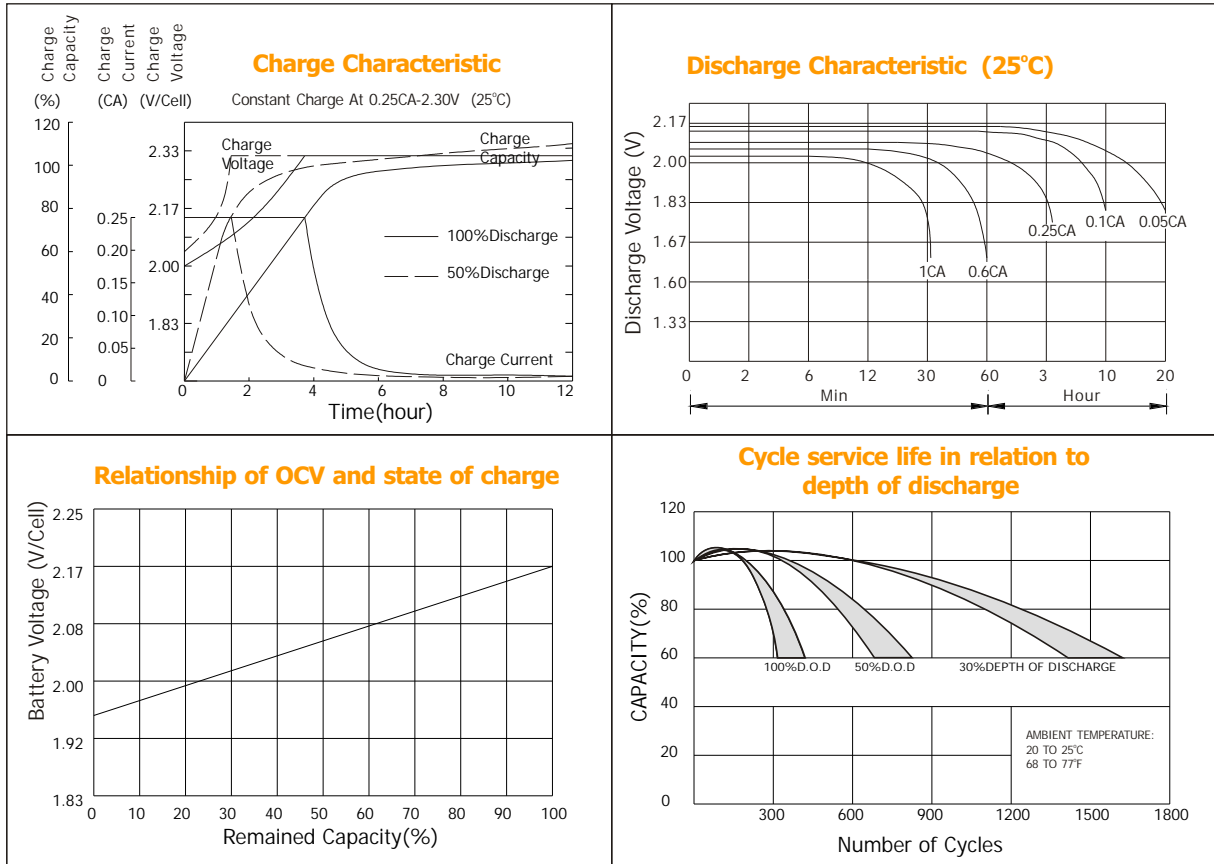


**Terminal Dimensions**



Battery Model	DC 6-180			
Designed Cycle Life	> 350 cycles @ -0.5CA to 9.6V			
Capacity(25°C)	20HR(9.15A,1.75V)	10HR(18A,1.75V)	5HR(30.6A,1.75V)	1HR(113.4A,1.75V)
	183AH	180AH	153AH	113.4AH
Dimensions	Length	Width	Height	Total Height
	306mm(12.05inch)	168mm(6.61inch)	222mm(8.74inch)	226mm(8.9inch)
Approx. Weight	28Kg (61.74 lbs)			
Internal Resistance	Full charged at 25°C: 0.005 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	7.2-7.5V(-15mV/ °C), max. Current: 45A		6.8-6.9V(-10mV/ °C)	

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Constant current discharge ratings-amperes at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	789	491	370	226	131	57.1	34.9	19.0	10.3
1.67V	740	466	356	216	129	54.9	34.2	18.8	9.91
1.70V	678	449	348	196	125	51.2	33.4	18.7	9.75
1.75V	665	435	337	187	119	49.5	32.7	18.7	9.50
1.80V	595	415	306	173	112	47.6	30.7	18.3	9.24
1.85V	525	395	275	159	104	45.9	28.8	18.1	8.98

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1384	886	676	407	236	102	59.0	39.0	20.5
1.67V	1335	864	668	398	235	98.6	58.7	38.8	19.8
1.70V	1257	855	662	373	230	94.2	58.0	38.6	19.5
1.75V	1265	853	656	362	226	92.0	57.4	38.1	19.0
1.80V	1158	840	609	345	213	89.3	55.7	37.6	18.5
1.85V	1050	797	552	323	200	86.6	53.9	37.1	17.8

