

**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**

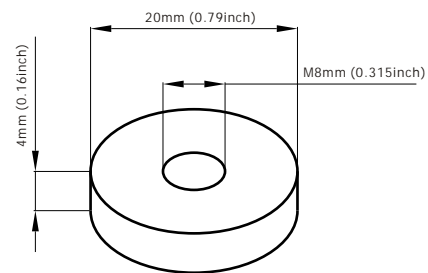
- Solar Energy System
- Golf Cars and Buggies
- Electric Powered Vehicles
- Wheel Chairs
- Power Tools
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- UPS

**General Features**

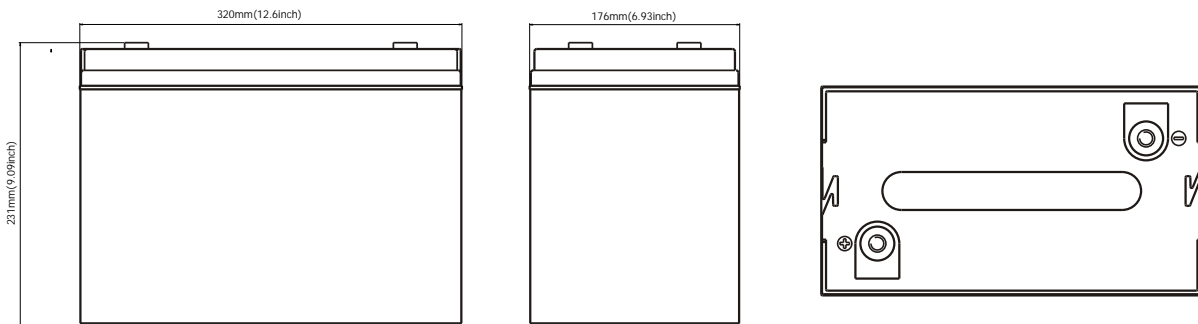
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

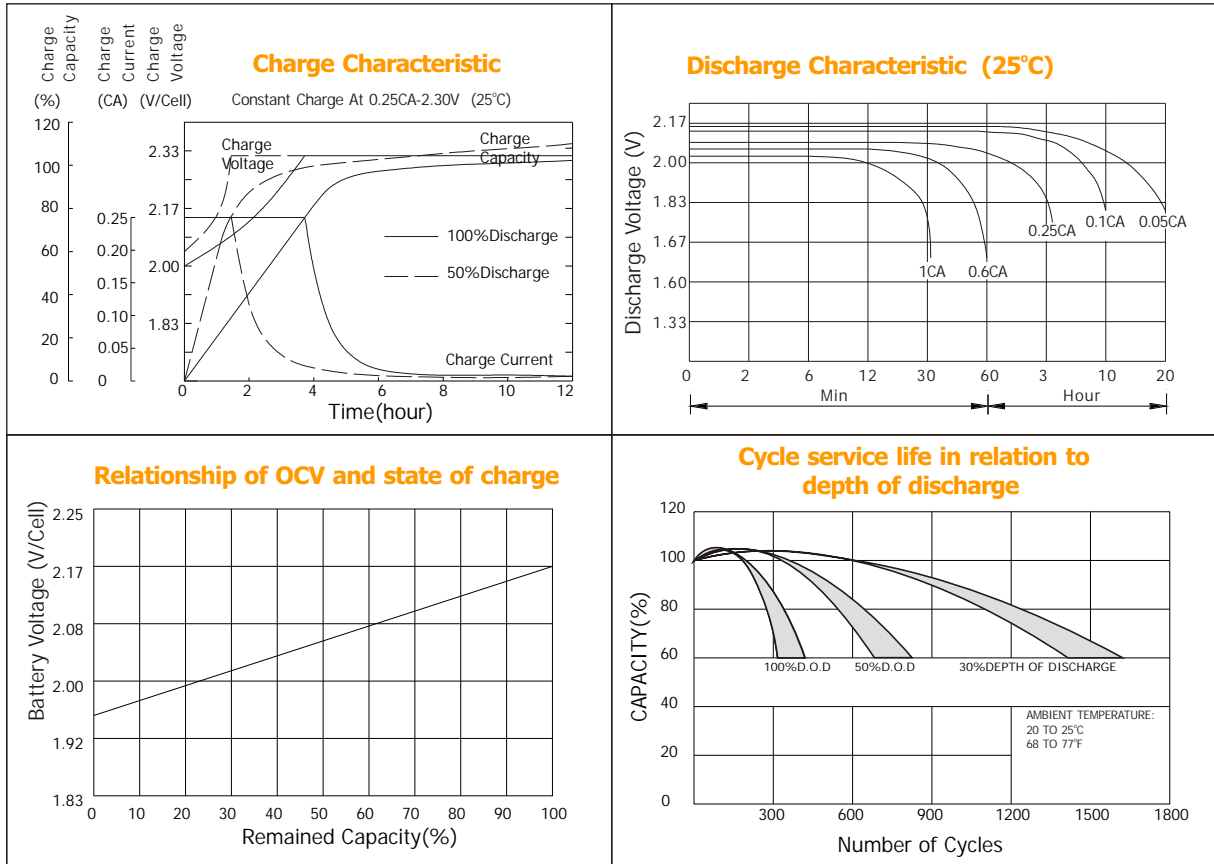


**Terminal Dimensions**



Battery Model	DC6-225-A			
Designed Cycle Life	> 350 cycles @ -0.5CA to 9.6V			
Capacity(25°C)	20HR(11.5A,1.75V)	10HR(22.5A,1.75V)	5HR(38.4A,1.75V)	1HR(146A,1.75V)
	230AH	225AH	192AH	146AH
Dimensions	Length	Width	Height	Total Height
	320mm(12.6inch)	176mm(6.93inch)	226mm(8.9inch)	231mm(9.09inch)
Approx. Weight	32 Kg (70.56 lbs)			
Internal Resistance	Full charged at 25°C: 0.0017 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:56A		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	984	612	462	282	160	70.2	36.3	22.8	12.6
1.67V	923	581	444	269	158	67.5	35.5	22.6	12.2
1.70V	846	560	434	245	153	63.0	34.8	22.5	12.0
1.75V	829	542	420	233	146	60.9	34.0	22.5	11.7
1.80V	742	518	381	215	137	58.5	32.0	22.0	11.4
1.85V	655	493	343	198	127	56.4	29.9	21.7	11.0

**Constant power discharge ratings-watts at 25°C**

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1726	1105	843	507	289	125	72.5	46.9	25.2
1.67V	1666	1077	833	497	287	121	72.2	46.6	24.3
1.70V	1568	1067	826	465	281	115	71.3	46.3	24.0
1.75V	1578	1063	819	451	277	113	70.6	45.8	23.4
1.80V	1444	1048	759	430	261	109	68.4	45.2	22.8
1.85V	1310	994	688	403	245	106	66.3	44.6	21.9

