

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

- ### 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

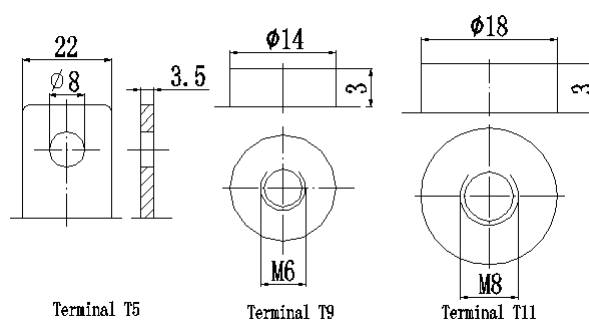


General Features

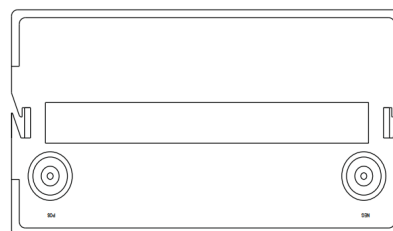
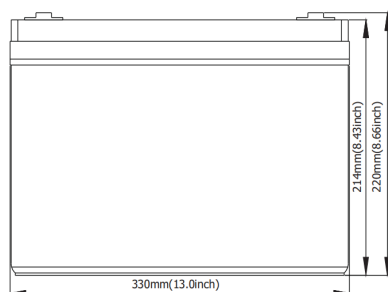
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

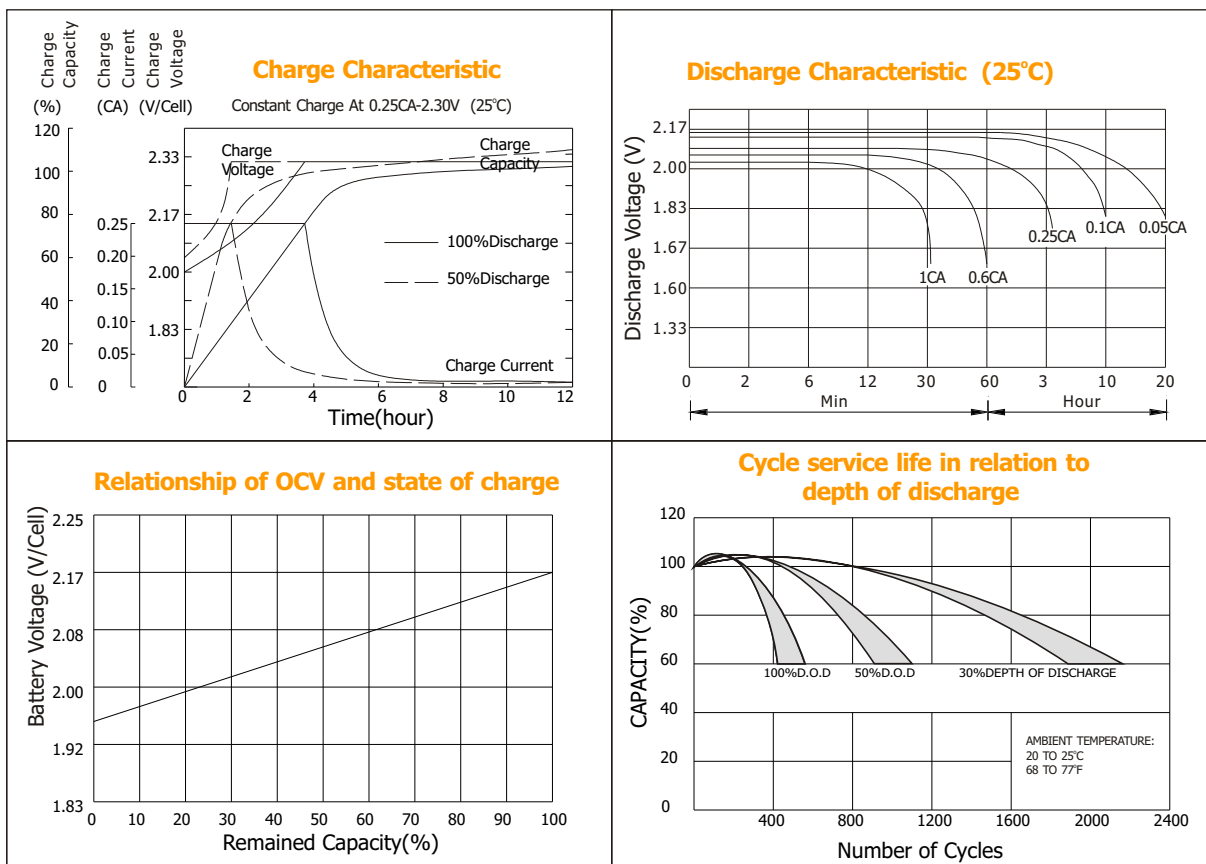
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorFibre glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	DC 12-135			
Designed Life	12 years			
Capacity(25°C)	20HR(6.75A,1.8V)	10HR(12.7A,1.8V)	5HR(20.0A,1.75V)	1HR(89.1A,1.6V)
	135AH	127AH	100AH	89.1AH
Dimensions	Length	Width	Height	Total Height
	330mm(13.0inch)	171mm(6.73inch)	214mm(8.43inch)	220mm(8.66inch)
Approx. Weight	33.7 Kg			
Internal Resistance	Full charged at 25°C: 5 mΩ			
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	
	14.4-15V(-30mV/ °C), max. Current: 33.75A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	473	324	236	142	89.1	36.9	25.8	13.5	7.07
1.67V	425	296	230	138	88.9	36.8	25.6	13.3	7.04
1.70V	404	285	221	135	88.7	36.7	25.5	13.2	7.01
1.75V	359	263	209	132	87.8	36.5	25.3	13.0	6.88
1.80V	324	244	200	128	86.7	36.3	25.1	12.7	6.75
1.85V	246	201	173	118	85.7	36.3	24.9	12.5	6.32

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	779	537	419	267	176	70.7	50.8	28.6	14.9
1.67V	738	531	414	262	170	70.4	50.6	28.2	14.8
1.70V	690	517	408	255	165	70.2	50.4	28.0	14.7
1.75V	643	483	383	248	164	69.7	50.2	27.5	14.5
1.80V	576	450	360	242	161	68.7	49.4	27.0	14.3
1.85V	462	373	315	221	159	68.4	48.7	26.5	13.4