



TD SERIES

CCB 12TD-150

FOR COMMUNICATIONS
STANDY POWER APPLICATIONS
(12V150AH @ 10HR RATE)

FEATURES

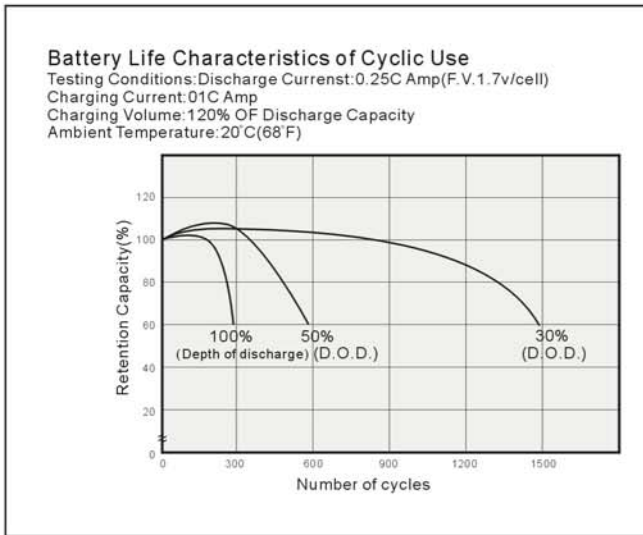
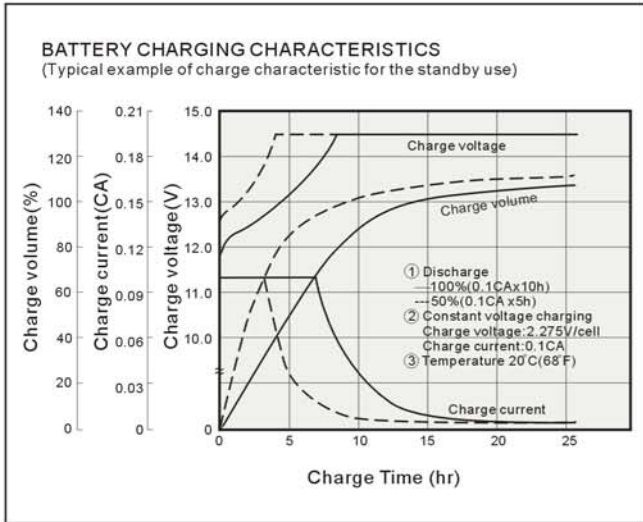
- *Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- *Computer-generated grid design optimized for high power density.
- *Float/ Cycle Use
- *Low Self Discharge Rate
- *Safety Valve
- *Lead Calcium Alloy
- *Useable In Any Position
- * Long service life. Maintenance-free operation
- *UL-recognized component



Nominal Voltage		
12V		
Dimensions	Length	550mm(21.65inches)
	Width	110mm(4.33inches)
	Height	285mm(11.22inches)
	Total Height	285mm(11.22inches)
Weight		47kg(103.6lbs)

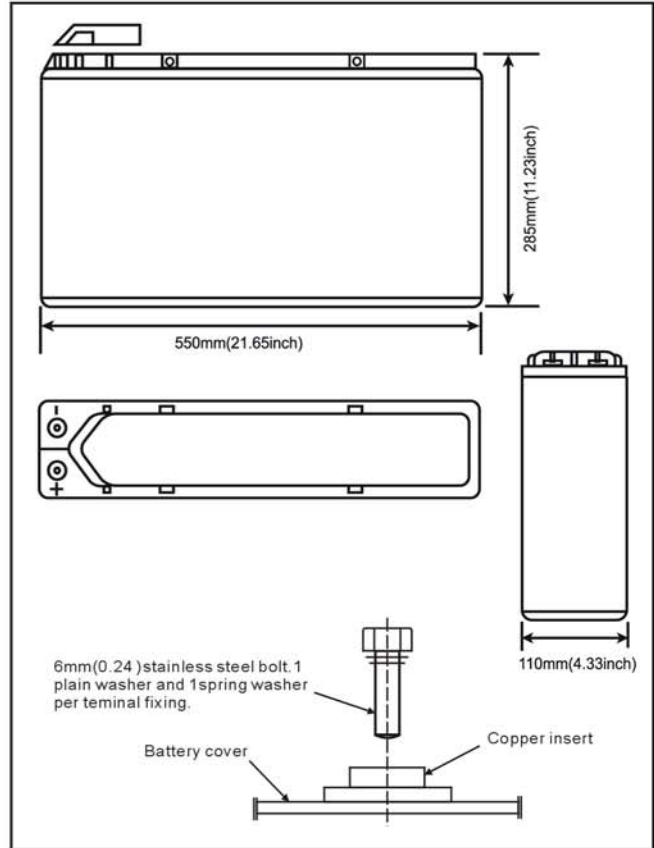
VRLA 12V100Ah - Specifications				
Nominal Voltage	Rated Capacity @20hr rate	Maximum Charge Rate	Maximum Discharge- Amps 5sec.	Internal Resistance
12V	150Ah	57Amps	1500Amps	3.8Mili Ohms
Capacity@ 77 F(25°C)	158Ah @ 20 hour rate to 1.75 volts per cell			
	151Ah @ 10 hour rate to 1.75 volts per cell			
	128Ah @ 5 hour rate to 1.75 volts per cell			
	120Ah @ 3 hour rate to 1.75 volts per cell			
	91Ah @ 1 hour rate to 1.75 volts per cell			
Operating Temperature Range	Discharge	-4 F (-20°C) to + 140 F (60°C)		
	Charge	14 F (-10°C) to + 122 F (50°C).(with temperature compensation)		
Recomanded Operating Temperature Range	+68°F (20°C)to + 77 F (25°C)			
Self Discharge @ 77 F (25°C)	Capacity after 3 month storage		91%	
	Capacity after 6 month storage		82%	
	Capacity after 12 month storage		64%	
	CCB Battery may be stored for up to 12 months at 77F(25°C) and then a freshing charge is required.For higher temperatures the time interval will be shorter.			
Capacity affected by Temperature (20 hour rate)	104 F (40°C)		102%	
	77 F (25°C)		100%	
	32 F (0°C)		85%	
	5 F (-15°C)		65%	
Charge Method (Constant Voltage)	Cycle use (Repeating use)	Initial current	52 A or smaller	
		Control voltage	14.5V to 14.9V (per 12V cell 25°C)	
	Float use	Initial current	22A or smaller	
		Control voltage	13.6V to 13.8V(per 12V cell25°C)	





Charging Procedure

Application	Charging method	Charging Voltage at 20°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/Ccell)	Max. charging current (CA)	Charging time 0.1CA, 20°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging (with current restriction)	2.25~2.30	-3	0.3	24	20	0~40 (32~104°F)
For cycle service		2.40~2.0	-4	0.3	16	10	



Constant power discharge characteristics at 25°C/77°F

Final Voltage	Discharge time						
	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr
1.75V	779	574	480	289	177	86.0	58.0
1.80V	72.0	530	443	276	173	84.0	55.0
1.85V	655	505	420	267	170	80.0	52.8

Constant power discharge characteristics at 25°C/77°F

End VPC	Discharge time						
	1Hr	2Hr	3Hr	5Hr	8Hr	10Hr	20Hr
1.85V	84.5	54.0	38.6	23.0	16.3	13.8	7.00
1.80V	88.0	56.0	39.0	24.0	16.5	14.3	7.20
1.75V	91.0	60.0	40.1	25.5	17.0	15.1	7.90

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