



DEEP CYCLE SERIES

CCB 12DD-100

FOR DEEP CYCLE
MOBILITY APPLICATIONS
(12V100AH@ 20HR Rate)

FEATURES

- *Robust plate for extended cycle life.
- *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
- *Useable In Any Position
- *UL-recognized component
- *Available Flame Retardant Material(Optional)
- *Thermally welded case-to-cover bond to eliminate leakage.
- * Long Service Life. Maintenance-free operation.

Nominal Voltage		
Rated Capacity (20 Hour Rate)		
Dimensions	Length	330mm (13.0inches)
	Width	175mm (6.89inches)
	Height	215mm (8.47inches)
	Total Height	220mm(8.67inches)
	Weight	31kg (68.34lbs)
Standard Terminals	ST3(standard)	

VRLA 12V100Ah - Specifications				
Nominal Voltage	Rated Capacity @20hr rate	Maximum Charge Rate	Maximum Discharge- Amps 5sec.	Internal Resistance
12V	100Ah	50Amps	800Amps	3.5MilliOhms
Capacity@ 77 F(25 C)	102Ah @ 20 Hr. Rate (5.10) to 1.75 volts per cell			
	86.8Ah @ 10Hr. Rate (8.68) to 1.80 volts per cell			
	68.55Ah @ 5Hr. Rate (13.71) to 1.85 volts per cell			
	69.90Ah @ 3Hr. Rate (23.30) to 1.75 volts per cell			
	49.70Ah @ 1Hr. Rate (49.70) 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)		
Recommonded Operating Temperature Range	+68 F (20°C)to + 77 F (25°C)			
Charging (Constant Voltage)	Cycle use	Initial Current7.8Amps (recommended). Voltage 14.5-14.9Volts @77 F (25°C)		
	Float use	Voltage13.6-13.8Volts @77 F (25°C)		
Self Discharge @ 77 F (25°C)	Capacity after 3 month storage	90%		
	Capacity after 6 month storage	80%		
	Capacity after 12 month storage	60%		
CCB Battery may be stored for up to 12 months at 77 F(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%		
	58°F (-15°C)	65%		
Charge Method (Constant Voltage)	Cycle use (Repeating use)	Initial current	40 A or smaller	
		Control voltage	14.5V to 14.9V	
	Trickle use	Initial current	15 A or smaller	
		Control voltage	13.6V to 13.8V	