

Afriipower

INVERTERS | UPS | SOLAR



TECHNICAL SPECIFICATIONS

12V200AH (20hr)- CONTEC

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Seperator	Electrolyte
Raw materials	Tubular	Lead	PPCP	PPCP	NA	Lead Alloy	PVC	Flooded free acid

General Features

- The battery is having free H₂SO₄ Electrolyte and requires DM water topping up once every six months
- Can be installed in vertical direction only.
- Lead, Antimony tin alloy grid for high Corrosion resistance.
- Long service life, float or cyclic applications.
- Low Maintenance Operation.
- Low sel discharge.
- Case and cover available in standard PPCP Materials

Dimensions and Weigt

Length (mm)	500
Width (mm)	185
Height (mm)	400
Approx. Weight (kg) (Dry/Filled)	39.00/65

Discharge Constant Current (Amperes at 27°C)

Hours	1h	3h	5h	10 h
Final Voltage	9.6	9.8	10.0	10.5
% of 20 h capacity	50	72	80	90

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.

Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	6-7 years
Nominal Capacity (27°C)	
20 hour rate (10A, 10.5V)	200.0Ah
5 hour rate (30A, 10.v)	175.0Ah
1 hour rate (100A, 9.6V)	90.0Ah
Self-Discharge 2.5% of capacity declined per month at 27°C (average) Operating Temperature Range	
Discharge	-20-50°C
Charge	-10-50°C
Storage	-20-50°C
Max. Discharge Current 77°F (25°C)	180A(3s)
Short Circuit Current	400A
Charge Method: Constant Current Charge	77°F (25°C)
Cycle Use	14.0 - 14.2 v
Maximum charging current	13A
Temperature compensation	75m V/300moh
Standby use	13.5 - 13.8V
No charge current limit is required temperature compensation	

