

m|power



Illuminating
YOUR WORLD



HEAVY DUTY
TUBULAR BATTERY

LOW ON MAINTENANCE
HIGH ON PERFORMANCE



Battery Construction

Component	Positive Plate	Negative Plate	Container	Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw Material	Lead dioxide	Lead	PPCP	PPCP	NA	Lead Alloy	PVC	Flooded free acid

General Features

- The battery is having free H₂ SO₄ Electrolyte and requires DM water topping up once every three months.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- 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 self discharge.
- Case and cover available in standard PPCP Material.

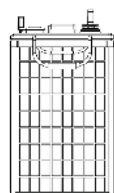
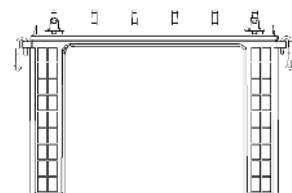
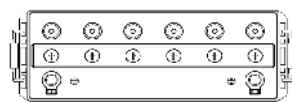
Discharge Constant Current (Amperes at 27°C)

Hours	3 h	10h	20 h
Final Voltage	10.8	10.5	10.5
% of 10h capacity	126.1	176	220

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

Dimensions and Weight

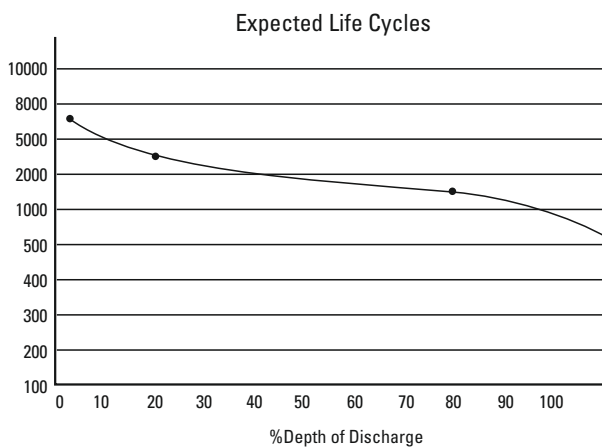
Length(mm)	498
Width(mm)	184
Height(mm)	387
Approx. Weight(Kg) ±3%. (Dry/Filled)	36.5/64



Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Nominal Capacity (27°C)	
20 hour rate (10A, 10.5)	220.0Ah
10 hour rate (16A, 10.5V)	186.0Ah
3 hour rate (38.24A, 10.8V)	126.1Ah
Self-Discharge	
3% of capacity declined per month at 27°C (average)	
Operating Temperature Range	
Discharge	0~55°C
Charge	0~55°C
Storage	0~55°C
Max. Discharge Current 77°F (25°C)	600A (3s)
Short Circuit Current	200A
Charge Methods: Constant Current Charge 77°F (25°C)	
Cycle use	14.4-14.7V
Maximum charging current	20.A
Temperature compensation	75mV/300moh
Standby Use	
No charge current limit is required	
Temperature compensation	

Cyclic Life vs Depth of Discharge @ 27C



APPLICATION



Rural
Electrification



Solar



Industrial



Inverter