ALOKOZIA 12V 200Ah (20hr)

Battery Construction

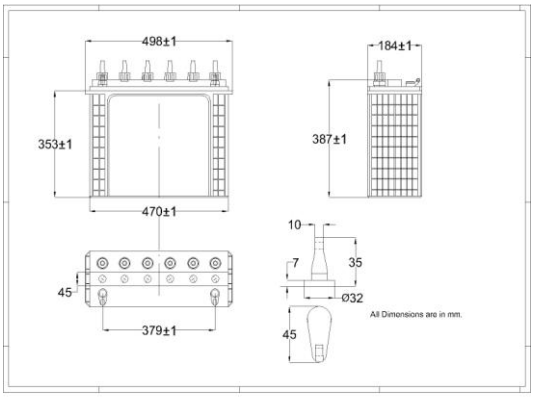
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	PPCP	PPCP	NA	Lead Alloy	PVC	Flooded free acid

General Features

- The battery is having free H_2SO_4 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.

Dimensions and Weight

Length(mm)	498
Width(mm)	184
Height(mm)	387
Approx. Weight(Kg) ±1kg (Dry/Filled)	35.8/62



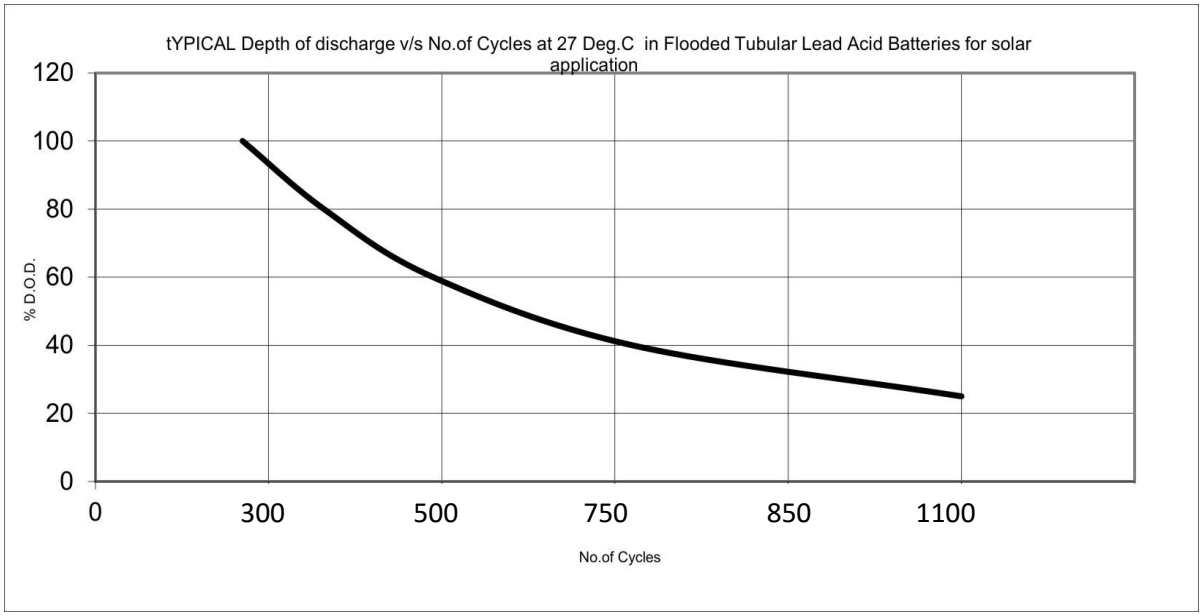
Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	3 years
Nominal Capacity (27ºC)	
20 hour rate (10A, 10.5)	200.0Ah
10 hour rate (16A, 10.5V)	160.0Ah
3 hour rate (38.24A, 10.8V)	114.7Ah
Self-Discharge	
3% of capacity declined per month at 27ºC(average)	
Operating Temperature Range	
Discharge	0~55ºC
Charge	0~55ºC
Storage	0~55ºC
Max. Discharge Current 77ºF(25ºC)	600A(3s)
Short Circuit Current	200A
Charge Methods: Constant Current Charge 77ºF(25ºC)	
Cycle use	14.4-14.7V
Maximum charging current	20.A
Temperature compensation	75mV/300moh
Standby use	13.8-14.2V
No charge current limit is required	
Temperature compensation	-

Discharge Constant Current (Amperes at 27°C)

Hours	3h	10 h	20 h
Final Voltage	10.8	10.5	10.5
% of 10 h capacity	114.7	160	200

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


tYPICAL Depth of discharge v/s No.of Cycles at 27 Deg.C in Flooded Tubular Lead Acid Batteries for solar application
120
100
80
60
40
20
0
% D.O.D.
0
300
500
750
850
1100
No.of Cycles