ALOKOZIA 12V220Ah (20hr)-

Battery Construction

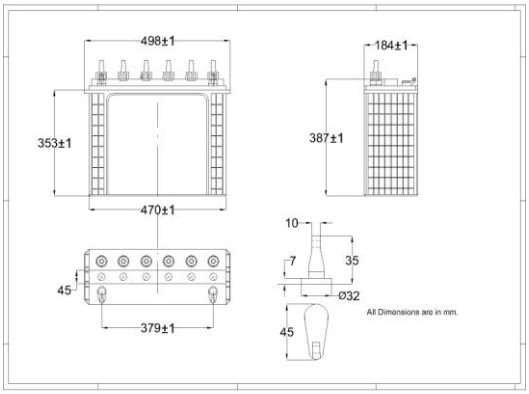
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	PPCP	PPCP	NA	Lead Alloy	PVC	Flooded free acid

General Features

- The battery is having free H_2SO_4 Electrolyte and requires DM water topping up once every 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 self discharge.
- Case and cover available in standard PPCP Material.

Dimensions and Weight

Length(mm)	500
Width(mm)	187
Height(mm)	416
Approx. Weight(Kg) (Dry/Filled)	38.5/62



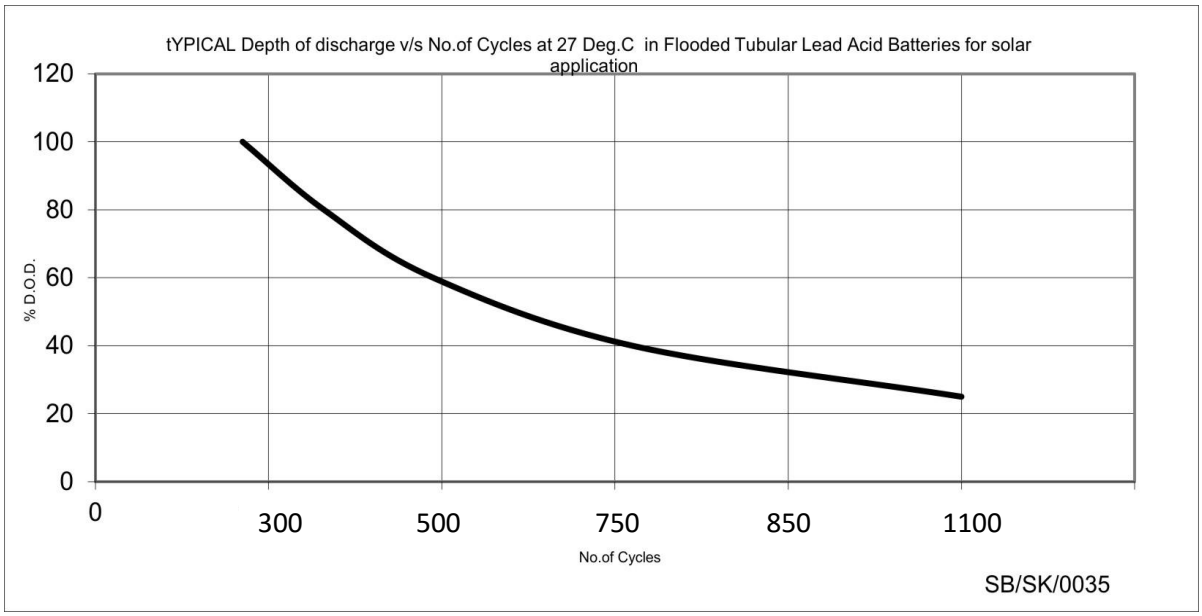
Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	3 years
Nominal Capacity (27ºC)	
20 hour rate (7.5A, 10.5V)	220.0Ah
10 hour rate (33.3A, 10.5V)	176Ah
3 hour rate (47.8A, 10.5V)	126.1Ah
Self-Discharge	
2.5% of capacity declined per month at 27ºC(average) Operating Temperature Range	
Discharge	-20~50ºC
Charge	-10~50ºC
Storage	-20~50ºC
Max. Discharge Current 77ºF(25ºC)	220A(3s)
Short Circuit Current	220A
Charge Methods: Constant Current Charge 77ºF(25ºC)	
Cycle Use	14.2 – 14.0v
Maximum charging current	220A
Temperature compensation	75mV/300moh
Standby use	14.1-14.4V
No charge current limit is required	
Temperature compensation	-

Discharge Constant Current (Amperes at 27°C)

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

(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
SB/SK/0035