

ALOKOZIA 12V 150Ah (20hr)

Battery Construction

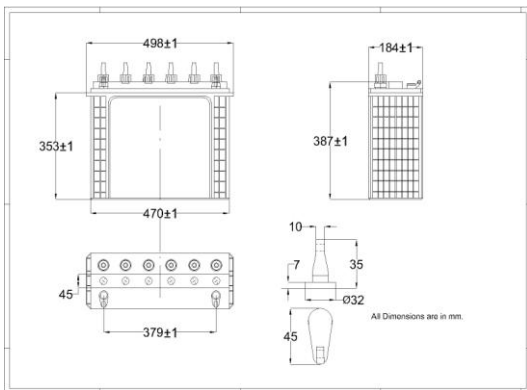
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	PPCP	PPCP	NA	Lead Alloy	PVC	Flooded free acid

General Features

- The battery is having free H₂SO₄ 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)	29.7/56.1
±1kg (Dry/Filled)	



Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	3 years
Nominal Capacity (27°C)	
20 hour rate (7.5A, 10.5)	150.0Ah
10 hour rate (12A, 10.5V)	120.0Ah
3 hour rate (28.7A, 10.8V)	86.04Ah
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)	450A(3s)
Short Circuit Current	150A
Charge Methods: Constant Current Charge 77°F(25°C)	
Cycle use	14.4-14.7V
Maximum charging current	15.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	86.04	120	150

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

