

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special oneway valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.



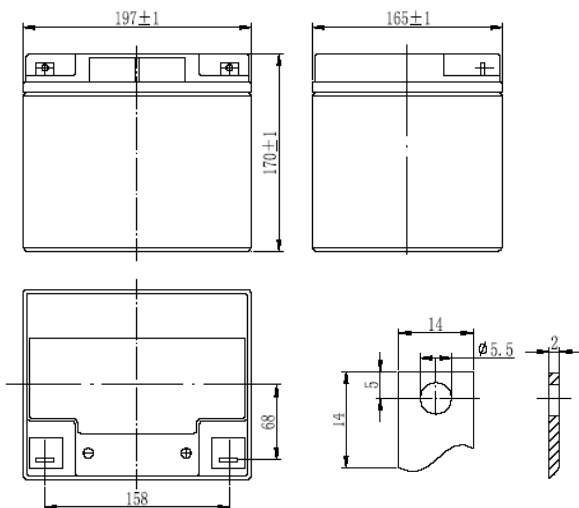
GENERAL FEATURES

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte for air transport-complies with LATA/ICAO Special provision A67.
- Not restricted for air transport-complies with LATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications,
- Maintenance-free operation.
- Low self discharge.
- Case and cover available in both standard and flame retardant ABS.

SPECIFICATION

Nominal voltage	12V	Dimensions	Total Height	6.69inches(170mm)
Rated capacity (10 hour rate)	45Ah		Height	6.69inches(170mm)
Number of cell	6		Length	7.76inches(197mm)
Approx. Weight (Kg / Ibs)	14/30.9		Width	6.5inches(165mm)

Battery Dimensions



Characteristics

Capacity 77° F (25°C)	20 hour rate (2.35A、10.5V)	47Ah
	10 hour rate (4.5A、10.5V)	45Ah
	5 hour rate (7.7A、10.5V)	38.5Ah
	1 hour rate (28 A、9.6V)	28Ah
	1C (45A、9.6V)	32min
	3C (135A、9.6V)	7min
Internal Resistance	Full charged Battery 77° F (25°C) : 10m Ω	
Capacity affected by Temperature (20 hour rate)	104° F(40°C)	102%
	77° F(25°C)	100%
	32° F(10°C)	85%
	5° F(-15°C)	65%
Self-Discharge 68° F (20°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12month storage	60%
Max. discharge current 77° F (25°C) : 450A (5S)		
Charge (Constant Voltage)	Float: 13.6~13.8 V/77° F(25°C)	
	Cycle: 14.5~14.9 V/77° F(25°C) Max. Current: 11.3A	

Constant power discharge ratings-watts per cell at 25°C(77° F)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	260	173	144	83.0	70.0	55.6	32.6	23.0	15.0
1.65V	246	167	140	81.8	68.7	54.8	32.1	22.8	14.8
1.70V	232	161	135	80.5	67.4	54.0	31.6	22.5	14.7
1.75V	218	154	131	79.3	66.1	53.1	31.0	22.3	14.5
1.80V	209	148	126	78.0	64.8	52.3	30.5	22.0	14.4



GB45-12 12V45AH

Rechargeable Valve Regulated lead-Acid Battery

