6FM36D *12V 36Ah(20hr)*

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 one-way 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.

Battery Construction

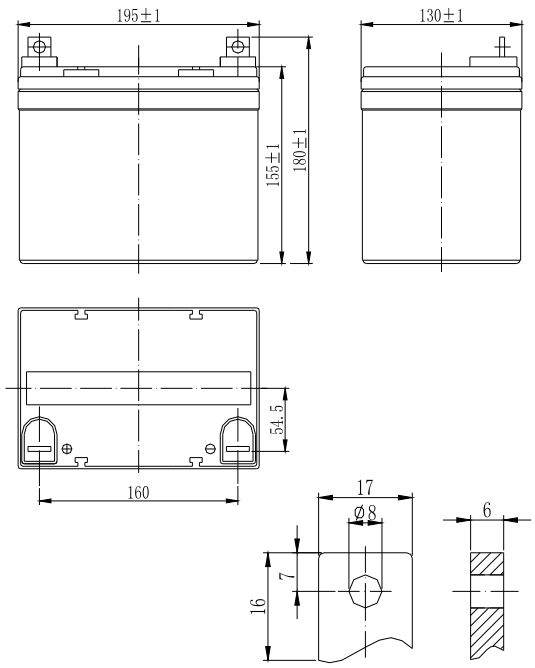
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Pb	Fiberglass	Sulfuric acid

General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/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.

Dimensions and Weight

Length(mm / inch) ..... 195 / 7.68
Width(mm / inch) ..... 130 / 5.12
Height(mm / inch) 155/ 6.10
Total Height(mm / inch) ..... 155 / 7.09
Approx. Weight(Kg / lbs) ..... 10.2 / 22.5



Performance Characteristics

Nominal Voltage 12V
Number of cell 6
Design Life ..... 10 years
Nominal Capacity 77ºF(25ºC)
- 20 hour rate (1.8A, 10.5V) 36Ah
- 10 hour rate (3.6A, 10.5V) 34Ah
- 5 hour rate (6.1A, 10.5V) 30.5Ah
- 1 hour rate (36A, 9.6V) 25Ah

Internal Resistance
- Fully Charged battery 77ºF(25ºC) 10mOhms

Self-Discharge
- 3% of capacity declined per month at 20ºC(average)

Operating Temperature Range
- Discharge ..... -20~60ºC
- Charge ..... -10~60ºC
- Storage ..... -20~60ºC

Max. Discharge Current 77ºF(25ºC) ..... 330A(5s)
Short Circuit Current 850A
Charge Methods: Constant Voltage Charge 77ºF(25ºC)
- Cycle use 14.4-14.7V
  - Maximum charging current 9.9A
  - Temperature compensation ..... -30mV/ºC
- Standby use 13.6-13.8V
  - Temperature compensation ..... -20mV/ºC