

6FM33D-X



SMART Battery Deep Cycle 33A

Rating: Not Rated Yet

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Description

SMART Battery : 6FM33D-X

The rechargeable batteries are lead-acid 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 98% 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.
- Performance Characteristics
- Nominal Voltage 12V
- Number of cell 6
- Design Life 10 years
- Nominal Capacity 77°F(25°C)
- 10 hour rate (3.14A, 10.5V) 31.4Ah
- 5 hour rate (5.55A, 10.5V) 27.75Ah
- 1 hour rate (22.0A, 9.8V) 22.0Ah
- Internal Resistance 10mOhms
- Fully Charged battery 77°F(25°C)
- Self-Discharge
- 3% of capacity declined per month at 20°C(average)
- Operating Temperature Range
- Discharge -20-60°C
- Charge -10-60°C
- Storage -20-60°C
- Max. Discharge Current 77°F(25°C) 530(Ah)
- Short Circuit Current 850A
- Charge Methods: Constant Voltage Charge 77°F(25°C)
- Cycle use 14.4-14.7V
- Maximum charging current 9.8A
- Temperature compensation -30mV/°C
- Standby use 13.8-13.9V
- Temperature compensation -20mV/°C

Dimensions and Weight

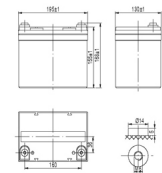
Length(mm / inch) 195 / 7.68

Width(mm / inch) 130 / 5.12

Height(mm / inch) 155 / 6.10

Total height(mm / inch) 168 / 6.61

Approx. Weight(Kg / lbs.) 10.2 / 22.5



Discharge Constant Current (Amperes at 77°F(25°C))

Set Rate	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0

Discharge Constant Power (Watts at 77°F(25°C))

Set Rate	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0
100	100	99.5	99.0	98.5	98.0	97.5	97.0	96.5	96.0

