



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 Raw material	POSITIVE PLATE Lead dioxide	NEGATIVE PLATE Lead	CONTAINER ABS	COVER ABS	SAFETY VALVE Rubber	TERMINAL Copper	SEPARATOR Fiberglass	ELECTROLYTE Sulfuric acid
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Performance Characteristics

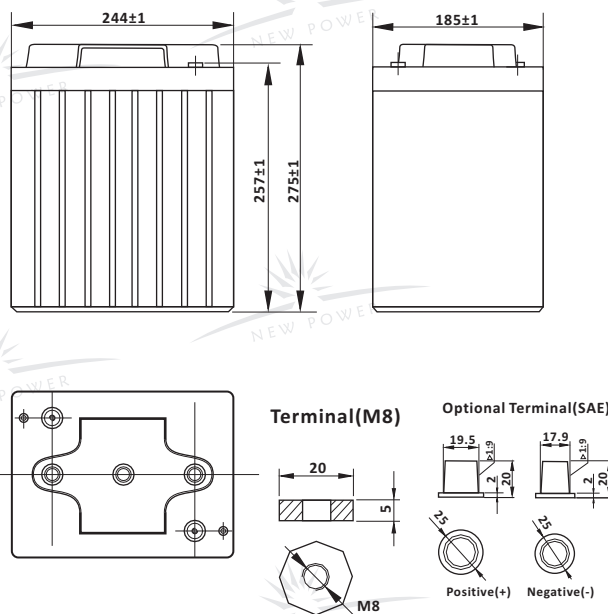
- **Nominal Voltage** 6V
- **Ampere Hour Capacity**
 - 20 Hours rate (10.3A, 5.4V)..... 206Ah
 - 10 Hours rate (19A, 5.4V) 190Ah
 - 5 Hours rate (32.6A, 5.25V)..... 163Ah
 - 3 Hours rate (49A, 5.1V) 147Ah
 - 1 Hour rate (118A, 5.1V)..... 118Ah
- **Minutes of Discharge**
 - 25A to 5.25V..... 420 56A to 5.1V 150
 - 75A to 5.1V 105 85A to 5.1V 95
 - 100A to 5.1V..... 74
- **Cranking Amps**
 - 32°F/0°C 800 0°F/-18°C 650
- **Internal Resistance**
 - Fully charged battery (77°F /25°C)..... 3.5mΩ
- **Self-Discharge (68°F /20°C)**
 - Capacity declined per month 3%
- **Opening temperature Range**
 - Discharge..... -20 ~ 60°C
 - Charge..... -10 ~ 50°C
 - Storage..... -20 ~ 60°C
- **Max. discharge current (77°F /25°C)**..... 1200A(5S)
- **Short Circuit Current**..... 2855A
- **Charge Methods: constant voltage charge (77°F /25°C)**
 - Cycle use..... 7.35 ~7.45V
 - Max. Current 38.0A
 - Standby use..... 6.80 ~ 6.90V

Application Field

- Golf and Electric Vehicles
- Floor Machines
- Aerial Lifts and Fork Lifts
- Solar and Renewable Energy
- Marine and RV
- Broadband and Cable TV
- Mobility and Medical
- Equipment Wheelchair
- Telecommunications
- Uninterruptible Power Supply

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.**
- **A recognized component of CE and UL**
- **Computer designed lead, calcium tin alloy grid for high power density.**
- **Long service life, float or cyclic applications.**
- **Maintenance-free operation.**
- **Low self discharge**
- **Design Life 10 years**



Dimensions and Weight

Type	Length	Width	Height	Total Height	Approx. Weight
SI Units	244mm	185mm	257mm	275mm	29Kg
English Units	9.6inch	7.3inch	10.1inch	10.8inch	63lbs

