

## Sealed Lead Acid Battery

12 Volt – 75 Amp Hour

**GPS12-270**



### Features

- Lead alloy with low calcium minimizes gassing and extends life of grid.
- Through unique active material recipes, plates after undergoing curing and tank formation provide outstanding energy density and ensure the quality of the battery.
- Using copper coated lead alloy battery terminals minimizes impedance of connecting cells inside.
- Case made of ABS resin and cells kept under internal pressure protects from outer shock or impact.
- Micro-porous AGM separator completely absorbs and retains electrolyte under the pressured cell design.
- Electrolyte sufficiently serves for electrochemical reactions in battery but never spills.
- Battery cases are sealed in epoxy and cells are covered with vents to avoid cell contamination with the atmosphere and serve for internal oxygen reaction.
- With very little gas evolution, the water loss is minimized and service life is extended. Excess pressure and gas will be released which ensures safety.
- Vent design is certificated by UL.

### Applications

- UPS
- Communications
- Lighting
- Security & Alarm
- Medical Equipment
- Remote Monitoring
- Solar Energy Station
- Golf Carts
- Wheelchairs
- Motorcycles
- Scooters
- Riding Mowers
- Snowmobiles
- Water Sports

### Transport

- Air transportation complies with IATA/ICAO special provision A67.
- Surface transport classification as non-hazardous material as related to DOT-49CFR173.159.
- Water transport classification as non-hazardous material per IMDG Amendment 27.

## Specifications

### Nominal Voltage (V)

12V

### Nominal Capacity (20 ° C)

|             |         |
|-------------|---------|
| 20hour rate | 75.0 Ah |
| 10hour rate | 69.7 Ah |
| 5hour rate  | 63.7 Ah |
| 1hour rate  | 45.0 Ah |

### Weight

23.83kg (52.53Lbs.)

### Internal Resistance 25 ° C ( 77 ° F)

8.0 mΩ

### Charge Retention (shelf life) at 25 ° C (77 ° F)

|          |     |
|----------|-----|
| 3 month  | 91% |
| 6 month  | 82% |
| 12 month | 64% |

### Charging Methods at 25 ° C (77 ° F)

#### Cycle use:

Charging Voltage 14.50 to 14.90V

Maximum Charging Current: 22.5A

#### Standby use :

Float Charging Voltage 13.60 to 13.80V

### Capacity Affected by Temperature:

|                  |      |
|------------------|------|
| 40 ° C (104 ° F) | 102% |
| 25 ° C (77 ° F)  | 100% |
| 0 ° C (32 ° F)   | 85%  |
| -15 ° C (5 ° F)  | 65%  |

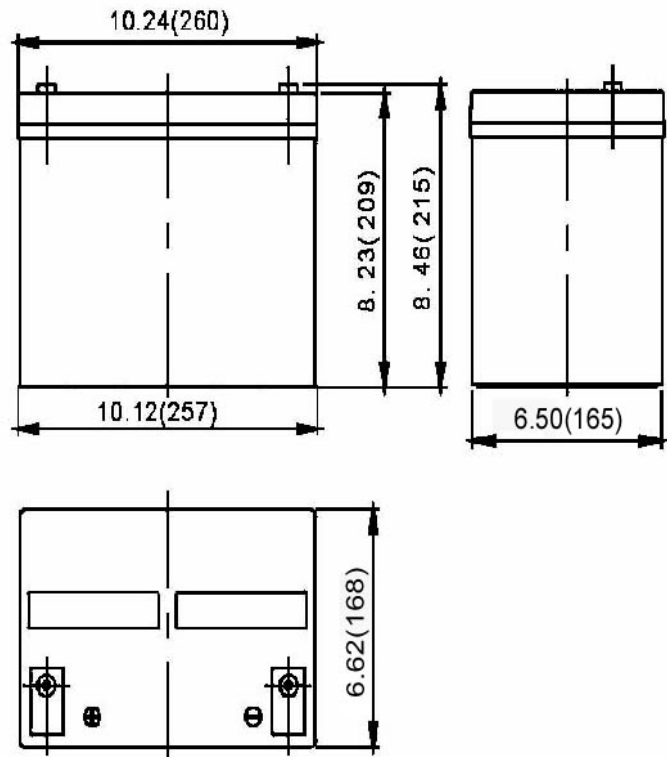
**Run-Time at 25 Amps:** 2Hrs, 39min

### Construction:

Positive plate and negative plate – ABS  
AGM separator, H2SO4 and valve

**Terminal:** Internal Thread

**UL Listing:** MH29055



unit:inch(mm)

