

Sealed Lead Acid Battery

12 Volt – 90 Amp Hour

GPS12-310



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 (5.5A) | 90.0 Ah |
| 10hour rate (10.0A) | 83.7 Ah |
| 5hour rate (18.0A) | 76.5 Ah |
| 1hour rate | 54.0 Ah |

Weight

29.67kg (65.42Lbs.)

Internal Resistance 25° C (77° F)

6.7 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: 27A

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% |

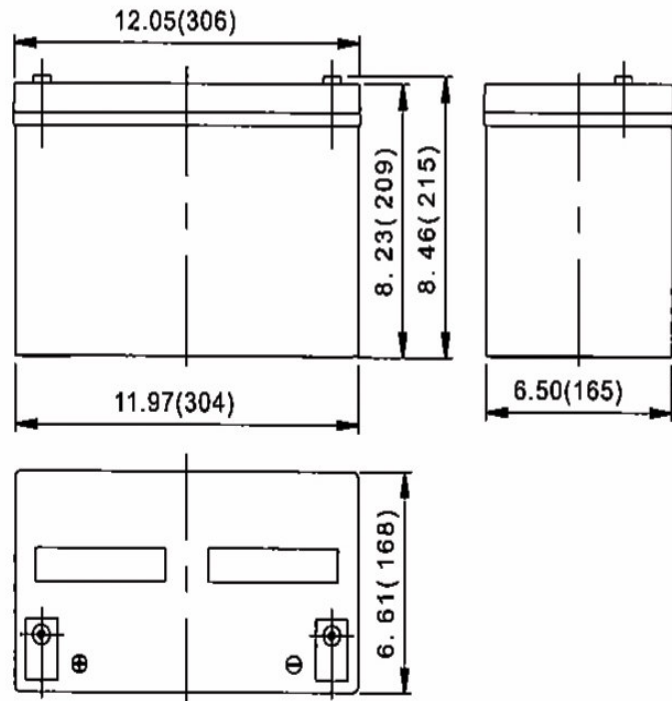
Run-Time at 25 Amps: 2Hrs, 45min

Construction:

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

Terminal: Internal Thread

UL Listing: MH29055



unit:inch(mm)

