



**Gruber
Power
Services**

Premium High Rate Battery Series

Sealed Lead Acid Battery

12 Volt – 135 Amp Hour

GPS12-475



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)

20 hour rate (6.75A)	135 Ah
10 hour rate (12.5A)	125 Ah
5 hour rate (23.0A)	115 Ah
1 hour rate (88.0A)	88 Ah

Weight

39.5kg (87.1Lbs.)

Internal Resistance (at 1KHz)

5.0 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 14.5 to 14.9V

Maximum Charging Current: 54A

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: 4Hrs, 16min

Construction:

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

Terminal: Internal Thread

UL Listing: MH29055

