PG-12V110 FR

Rechargeable Sealed Lead Acid Battery
PG – Long Life Series

TERMINALS: (mm)

- T11: Threaded insert with 8mm stud fastener

DIMENSIONS: inch (mm)

- L: 13.00 (330)
- W: 6.80 (173)
- H: 8.35 (212)
- HT: 8.66 (220)

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

FEATURES

- Absorbent Glass Mat (AGM) technology for superior performance
- Superb high-rate discharge characteristics ensures reliable performance in UPS and telecom applications
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover, flame retardant to UL94:V-0
- Thick plate design and efficient gas recombination yield a service life of 10 – 12 years in standby mode

APPROVALS

- U.L recognized
- ISO9001:2015 – Quality management systems

PERFORMANCE SPECIFICATIONS

- Nominal Voltage: 12 volts (6 cells)
- Nominal Capacity:
  - 20-hr: 111.0 AH
  - 10-hr: 103.0 AH
  - 5-hr: 88.5 AH
  - 1-hr: 61.8 AH
- Approximate Weight: 70 lbs. (31.8 kg)
- Internal Resistance (approx.): 4.0 milliohms
- Max Short-Duration Discharge Current (10 Sec.): 650 amperes
- Shelf Life (% of nominal capacity at 68°F (20°C))
  - 1 Month: 97%
  - 3 Month: 91%
  - 6 Month: 83%
- Operating Temperature Range
  - Charge: 5°F (-15°C) to 122°F (50°C)
  - Discharge: -4°F (-20°C) to 140°F (60°C)
- Case: Flame Retardant ABS Plastic UL94:V-0
- Power Sonic Chargers: PSC-1220000-PC

To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

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Power Sonic Chargers
- MH20845
- ®

To order, please call your local supplier or visit our website at www.power-sonic.com
**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**

- **Charging Voltage:** 2.25V/cell

**GENERAL RELATION OF CAPACITY VS. STORAGE TIME**

- **Charging Voltage:**
  - 40°C (104°F)
  - 30°C (86°F)
  - 20°C (68°F)

- **Temperature Compensation:** Charging Voltage for both Cyclic and Standby applications should be regulated in relation to ambient temperature. As temperature rises charging voltage should be reduced to prevent overcharge and increased as temperature falls to avoid undercharge.

**APPLICATIONS**

- A whole range of CYCLIC applications including but not limited to:
  - Fire and Security
  - Telecommunications
  - Emergency Lighting
  - Utility
  - Solar
  - Wind
  - UPS

**CHARGERS**

Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities.

Please refer to our website for more information on our switch mode and transformer type chargers.

Please contact our technical department for advice if you have difficulty in locating a suitable charger.

**FURTHER INFORMATION**

Please refer to our website [www.power-sonic.com](http://www.power-sonic.com) for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.