PGFT-12V180 12V190.0 AH @20-hr. 12V 180.0 AH @10-hr.
Rechargeable Sealed Lead Acid Battery
PG FT – Long Life Front Terminal Series

TERMINALS: (mm)

T13: Threaded insert with 6mm stud fastener
Torque: 3.9~5.4 Nm

DIMENSIONS: inch (mm)

L: 22.05 (560)
W: 4.96 (126)
H: 11.02 (280)
HT: 11.02 (280)
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 (available to UL94:V-0)
• Thick plate design and efficient gas recombination yield a service life of 10 – 12 years in standby mode
• Front terminal design suited for 19” & 21” cabinets

APPROVALS
• U.L recognized
• ISO9001:2015 – Quality management systems

PERFORMANCE SPECIFICATIONS

Nominal Voltage 12 volts (6 cells)
Nominal Capacity
20-hr. (9.50A to 10.80 volts) 190.0 AH
10-hr. (18.0A to 10.80 volts) 180.0 AH
5-hr. (32.7A to 10.50 volts) 163.5 AH
3-hr. (49.5A to 9.60 volts) 148.5 AH
1-hr. (120.0A to 9.60 volts) 120.0 AH

Approach Weight 119.1 lbs. (54.0 kg)
Internal Resistance (approx.) 2.9 milliohms
Max Short-Duration Discharge Current (10 Sec.) 1900 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 ABS Plastic
**CHARGING**

**Cycle Applications:** Apply constant voltage charge at 2.35v/c – 2.45v/c (14.1 – 14.7v for 12v Monobloc) at 20°C. Initial charging current should be set at less than 0.25C Amps. Switch to float charge to avoid overcharging.

"Float" or "Stand-By" Service: Apply constant voltage charge of 2.25v/c – 2.30v/c (13.5 to 13.8 volts for 12v Monobloc) at 20°C. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

**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.

For further charging information including temperature compensation factors, see Power Sonic Technical Manual/Power Sonic Charger specifications.

**APPLICATIONS**

A whole range of CYCLIC applications including but not limited to:

- UPS
- Telecommunications
- Utility
- Data Center
- Emergency Lighting

**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.