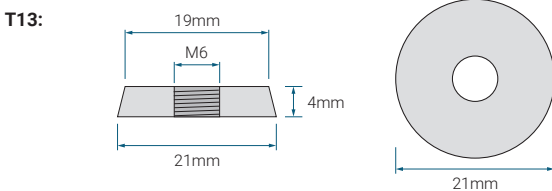


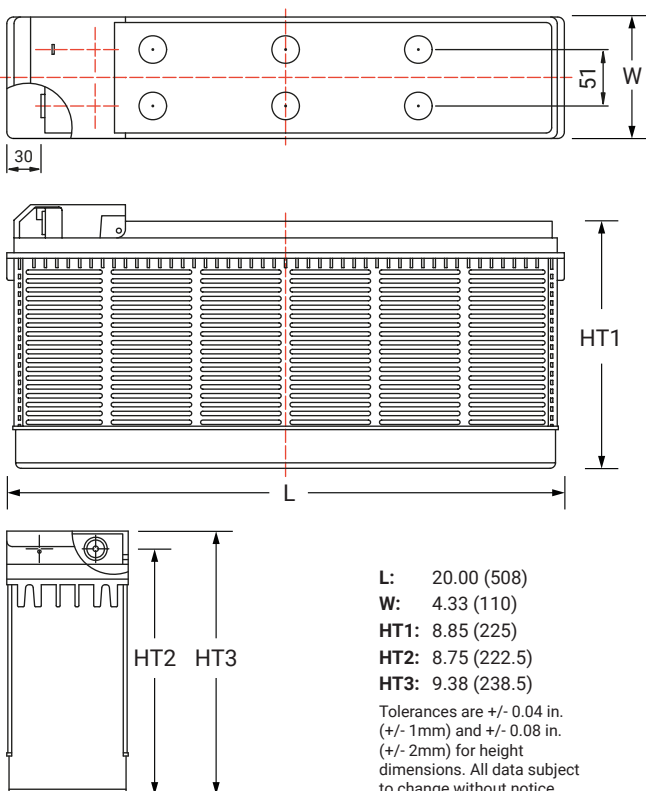
## PGFT-12V105-FR 12V 106.0 AH @ 20-hr. 12V 100.0 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery  
PG FT – Long Life Front Terminal Series

### TERMINALS: (mm)



### DIMENSIONS: inch (mm)



### GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

**Power-Sonic Corporation**  
365 Cabela Dr Suite 300,  
Reno, Nevada 89523  
USA  
T: +1 619 661 2020  
E: customer-service@power-sonic.com

### POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

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The Netherlands  
T NL: + 31 33 7410 700  
T UK: + 44 1268 560 686  
T FR: + 33 344 32 18 17  
E: salesEMEA@power-sonic.com

## 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-V0
- Thick plate design and efficient gas recombination yield a service life of 10 – 12 years in standby mode
- Front terminal design suited for 19" & 23" cabinets

## APPROVALS

- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L recognized
- ISO9001:2015 – Quality management systems

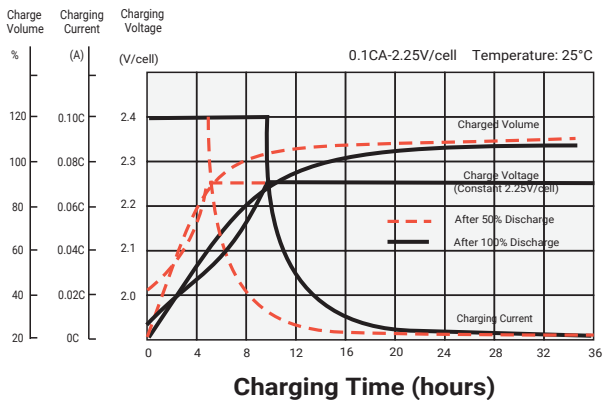
## PERFORMANCE SPECIFICATIONS

<b>Nominal Voltage</b>	12 volts (6 cells)
<b>Nominal Capacity</b>	
20-hr. (5.30A to 10.80 volts)	106 AH
10-hr. (10.0A to 10.80 volts)	100.0 AH
8-hr. (11.9A to 10.80 volts)	95.2 AH
5-hr. (17.4A to 10.50 volts)	87.0 AH
1-hr. (63.7A to 9.60 volts)	63.7 AH
<b>Approximate Weight</b>	70.6 lbs. (32.0 kg)
<b>Internal Resistance (approx.)</b>	4.3 milliohms
<b>Max Discharge Current (5 Sec.)</b>	1000 amperes
<b>Shelf Life</b> (% of nominal capacity at 68°F (20°C))	
1 Month	97%
3 Month	91%
6 Month	83%
<b>Operating Temperature Range</b>	
Charge	5°F (-15°C) to 122°F (50°C)
Discharge	-4°F (-20°C) to 140°F (60°C)
<b>Case</b>	ABS Plastic flame retardant to UL94-V0

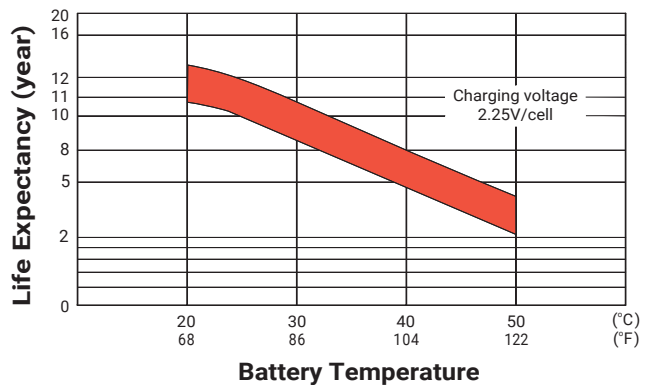
**PGFT-12V105-FR** 12V 106.0 AH @ 20-hr.  
12V 100.0 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery  
PG FT – Long Life Front Terminal Series

**FLOAT CHARGING CHARACTERISTICS**



**EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE**



**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

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**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.

