PG-2V270 2V 270.0 AH @ 20-hr. 2V 250.0 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
PG 2V – High Capacity Long Life Series

TERMINALS: (mm)

T11: Threaded insert with 8mm stud fastener

20mm
M8
6mm

Torque: 11.0~14.7 Nxm

FEATURES
- Absorbent Glass Mat (AGM) technology for superior performance
- Wide capacity range ideal for large capacity off-grid systems
- 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 design life of up to 15 years
- Excellent recovery from over discharge situations

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

DIMENSIONS: inch (mm)

L: 6.69 (170)  W: 4.33 (110)
H: 12.91 (328)  HT: 13.77 (350)

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

PERFORMANCE SPECIFICATIONS

Nominal Voltage 2 volts (1 cell)

Nominal Capacity
20-hr. (13.50A to 1.80 volts)  270.0 AH
10-hr. (25.00A to 1.80 volts)  250.0 AH
5-hr. (49.12A to 1.75 volts)  245.6 AH
1-hr. (155.0A to 1.60 volts)  155.0 AH

Approximate Weight 32.0 lbs. (14.5 kg)

Internal Resistance (approx.) 1.0 milliohms

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

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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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:

- Telecommunications
- UPS
- Wind
- Emergency Lighting
- Solar
- Utility

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 for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.