

GS BATTERY (U.S.A.) INC.



PRODUCT: PWL 12V7 rechargeable, valve regulated sealed lead-acid (VRLA) battery

NOMINAL VOLTAGE: 12 Volt

NOMINAL CAPACITY: at 20 hour rate = 7Ah
at 10 hour rate = 5.6Ah
at 5 hour rate = 5.4 Ah
at 1 hour rate = 4Ah

WEIGHT: (approx.) 6.6 pounds (3000 grams)

Internal Resistance of Fully Charged Battery: 16 milliohms (approx.)

ENERGY DENSITY: (0.05C) 1.48 Watt-hours / cubic inch (90.8 Watt-hours / liter)

SPECIFIC ENERGY: (0.05C) 14.1 Watt-hours / pound (31 Watt-hours / kg)

Maximum Discharge Current: 42 at Constant Current

Maximum Short Duration Discharge Current: 105 amperes
(less than 5 sec.)

Vibration Test: No loss in capacity or performance
(2,000 cycles/minute, 0.10 inch excursion, 2hours)

Charge Retention: (shelf life) % of nominal capacity at 77 degrees F (25 Celsius)
1 month: 97 %
3 months: 91 %
6 months: 82 %

Operating Temperature Range: Charge 32 degrees F (0 C) to 122 degrees F (50 C)
Discharge minus 4 degrees F (-20 C) to 122 degrees F (50 C)
Storage minus 4 degrees F (-20 C) to 104 degrees F (40 C)

Case Material: PPE / polyolefin (94V-0)

Standard Terminal: F2- AMP faston Tab 250 type

Dimensions: length: 5.94 +/- 0.04 inches width: 2.56 +/- 0.04 inches height: 3.86 +/- 0.08 inches (with terminal)
(151.0 +/- 1.0 mm) (65.0 +/- 1.0 mm) (98.0 +/- 2.0 mm)

Charge Voltage Range: Standby use 13.26-13.50 V
(at 25C)

Life Expectancy: 13 years at 25C (77F) ambient temperature.