

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



PRODUCT: PXL12023 High Rate-long life rechargeable, valve regulated lead-acid (VRLA) battery

NOMINAL VOLTAGE: 12 V

NOMINAL CAPACITY:

at 20 hour rate	2.3Ah, 0.115A, FV=10.5V
at 10 hour rate	2.07Ah, 0.207A, FV=10.5V
at 5 hour rate	1.96Ah, 0.391A, FV=10.5V
at 3 hour rate	1.61Ah, 0.537A, FV=10.2V
at 1 hour rate	1.38Ah, 1.38A, FV=9.6V
at 30 minute rate	1.22Ah, 2.438A, FV=9.0V
at 15 minute rate	0.92Ah, 3.68A, FV=9.0V

WATTAGE:

at 60 minute rate	24 watts, FV=9.6V
at 30 minute rate	39 watts, FV=9.6V
at 15 minute rate	58 watts, FV=9.6V
at 10 minute rate	75 watts, FV=9.6V
at 7.5 minute rate	93watts, FV=9.6V
at 5 minute rate	113 watts, FV=9.6V
at 2.5 minute rate	170 watts, FV=9.6V

WEIGHT:(approx.) 2.03 pounds (920 grams)

Internal Resistance of Fully Charged Battery: 33 milliohms (approx.)

ENERGY DENSITY: (0.05C) 1.25 Watt-hours / cubic inch (76 Watt-hours / liter)

SPECIFIC ENERGY: (0.05C) 13.6 Watt-hours / pound (30 Watt-hours / kg)

Maximum Discharge Current with Standard Terminals: 13.8 amperes (at 25C)

Maximum Short Duration Discharge Current: 34.5 amperes (at 25C)
(less than 5 sec.)

Vibration Test: No loss in capacity or performance
(displacement:4mm, frequency:16.7Hz, time:1hour)

Charge Retention: (shelf life) % of nominal capacity at 77 degrees F (25 Celsius)
1 month: 97%
3 months: 90%
6 months: 80%

Operating Temperature Range:

Charge	32 degrees F (0 C)	to	104 degrees F (40 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: Synthetic resin (ABS)

Standard Terminal: F1- AMP faston Type 187

Dimensions: **length:** 7.01 +/- 0.04 inches (178 +/- 1.0 mm) **width:** 1.34 +/- 0.04 inches (34 +/- 1.0 mm) **height:** 2.52 +/- 0.08 inches with terminal (64 +/- 2.0 mm)
w/out: 2.36 +/- 0.08 inches (60 +/- 2.0 mm)

Charge Voltage Range: Cycle use 14.4 - 14.7 V
Standby use 13.5 - 13.8 V