

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



PRODUCT: PXL12072 High Rate-long life rechargeable, valve regulated lead-acid (VRLA) battery (PXL12072V0)

NOMINAL VOLTAGE: 12 V

NOMINAL CAPACITY:

at 20 hour rate	7.2Ah, 0.36A, FV=10.5V
at 10 hour rate	6.5Ah, 0.65A, FV=10.5V
at 5 hour rate	6.1Ah, 1.22A, FV=10.5V
at 3 hour rate	5.04Ah, 1.68A, FV=10.2V
at 1 hour rate	4.32Ah, 4.32A, FV=9.6V
at 30 minute rate	3.8Ah, 7.6A, FV=9.0V
at 15 minute rate	2.88Ah, 11.52A, FV=9.0V

NOMINAL WATTAGE:

at 60 minute rate	70 watts, FV=9.6V
at 30 minute rate	116 watts, FV=9.6V
at 15 minute rate	190 watts, FV=9.6V
at 10 minute rate	250 watts, FV=9.6V
at 7.5 minute rate	265 watts, FV=9.6V
at 5 minute rate	375 watts, FV=9.6V
at 2.5 minute rate	470 watts, FV=9.6V

WEIGHT:(approx.) 5.95 pounds (2,700 grams)

Internal Resistance of Fully Charged Battery: 13 milliohms (approx.)

ENERGY DENSITY: (0.05C) 1.53 Watt-hours / cubic inch (93.6 Watt-hours / liter)

SPECIFIC ENERGY: (0.05C) 14.5 Watt-hours / pound (32.0 Watt-hours / kg)

Maximum Discharge Current with Standard Terminals: 43.2 amperes (at 25C)

Maximum Short Duration Discharge Current: 108 amperes (at 25C)
(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	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: UL94 V-0 flame retardant resin

Standard Terminal: F1- AMP faston Type 187

Dimensions: **length:** 5.94 +/- 0.04 inches (151.0 +/- 1.0 mm) **width:** 2.56 +/- 0.04 inches (65.0 +/- 1.0 mm) **height:** 3.86 +/- 0.08 inches with terminal (98.0 +/- 2.0 mm)
w/out: 3.70 +/- 0.08 inches (94.0 +/- 2.0 mm)

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

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