

Power Patrol® Batteries

Specification Sheet

Rechargeable Sealed Lead-Acid Batteries

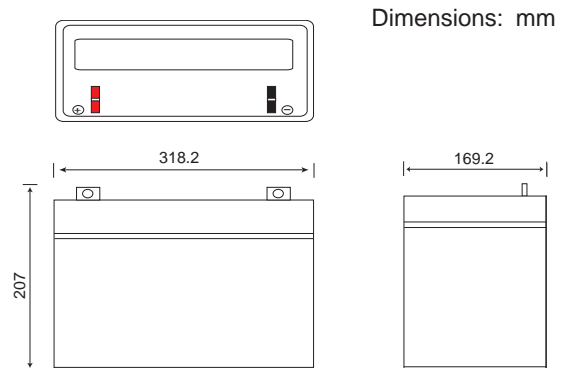
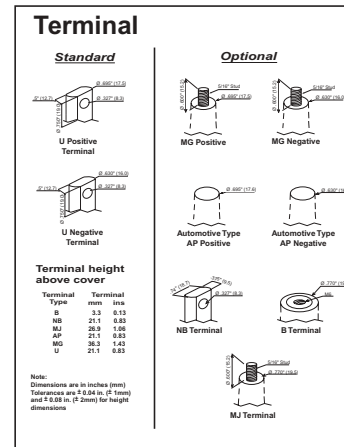
SLA1185

Technical Specifications

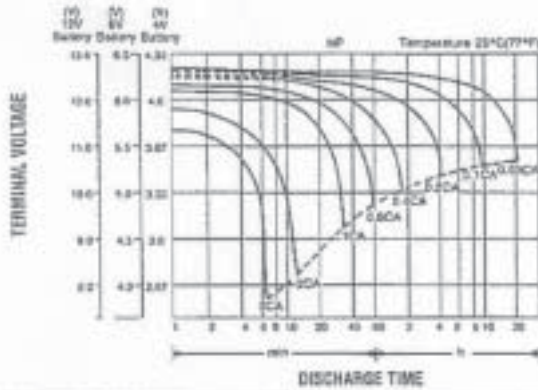
Nominal Voltage	12V
Nominal Capacity	91.6Ah
Dimensions	Length: 318.2mm (12.53 in)
	Width: 169.2mm (6.66 in)
	Height: 207mm (8.15 in)
Total Height w/Terminal:	228.1mm (8.98 in)
Weight	30.8 kgs (68.0 Lbs.)
Terminal Type	Universal or options in terminal diagram

Capacity Characteristics

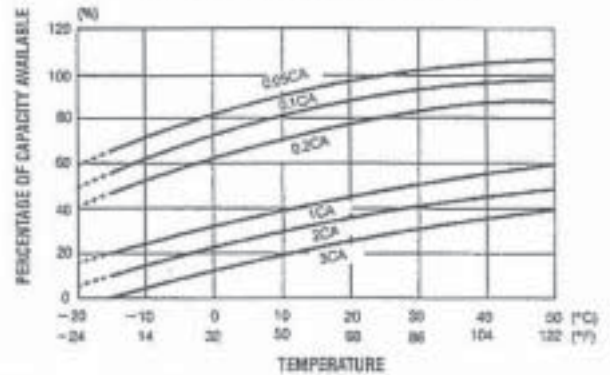
Energy Density (20 hr. rate):	1.45 WH/cubic inch (90 WH/ liter)
Specific Energy (20 hr. rate):	16.5 WH/pound (36 WH/ kg)
Internal Resistance of Charged Battery:	5.1 milliohms (approx)
Maximum Discharge Current	
With Standard Terminals:	150 amperes
Maximum Short-Duration	
Discharge Current:	500 amperes
Operating Temperature Range:	
Charge	5°F to 122°F (-15°C to 50°C)
Discharge	-4°F to 140°F (-20°C to 60°C)
Charge Retention (shelf life) at 68°F (20°C)	
1 month	97%
3 months	91%
6 months	85%
Life expectancy:	
Standby Use	3 to 5 years
CYCLE USE (approx):	
100% depth of discharge	250 cycles
50% depth of discharge	550 cycles
30% depth of discharge	1200 cycles
Sealed Construction:	Can be operated in any position without leakage.
Housing Material:	PP Resin
Optional:	Container and cover made from Flame Retardant PP (UL94-V0/L.O.I.>28%)



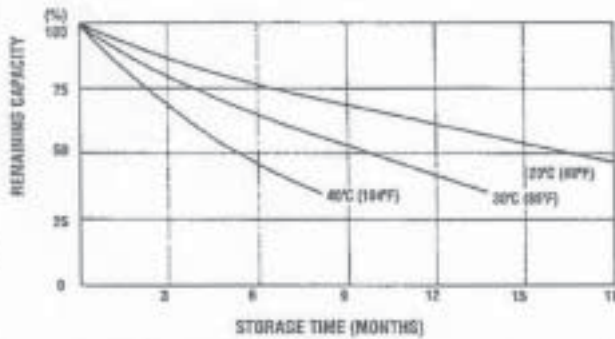
DISCHARGE CHARACTERISTIC CURVES AT 25°C (77°F)



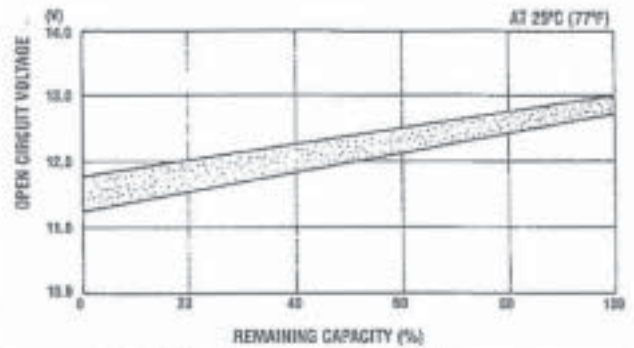
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



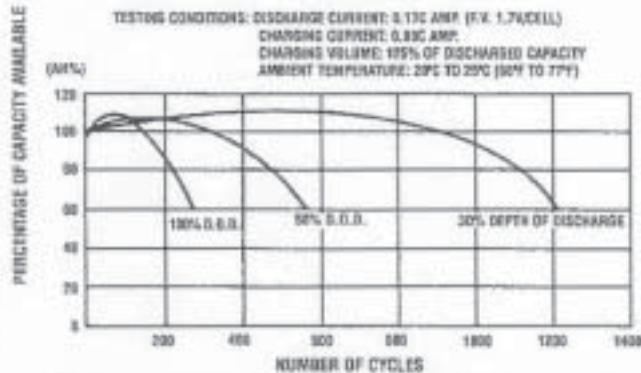
SELF DISCHARGE CHARACTERISTICS



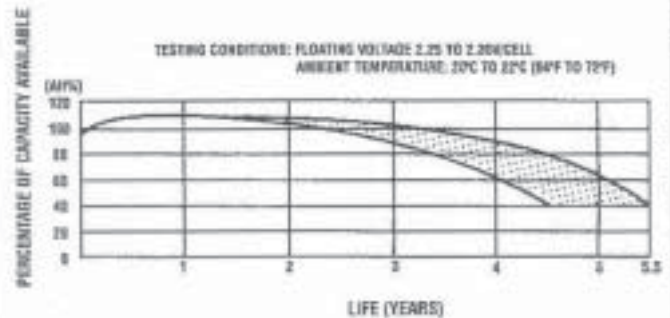
OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



FLOAT SERVICE LIFE



When the battery will be used by current in excess of 3C, consult with EnerSys, Inc. prior to use.

CHARGING METHODS (At 20°C)

Cycle use: Maximum charging current 0.25C
Charging voltage 14.4 to 15.0V

Standby use: Float charging voltage 13.50 to 13.80V

CAUTION

- Avoid short circuit
- Do not charge in a sealed container.