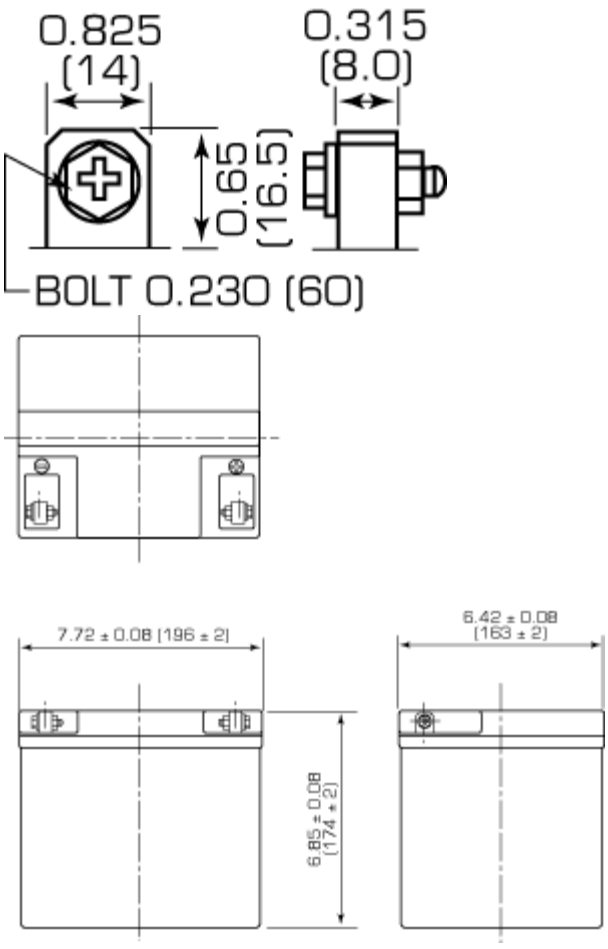
PE12V40

Rechargeable Sealed Lead Acid Battery

Dimensions



Specifications

1	**Nominal Voltage**	12V
2	**Norminal Capacity**	0.05C (2.00A to 10.50V) 40.00 AHr 0.1C (4.00A to 10.50V) 36.00 AHr 0.2C (8.00A to 10.20V) 31.20 AHr 1C (40.00A to 9.00V) 20.08 AHr
3	**Weight (Approx.)**	28.63 lbs. (14.00 kg)
4	**Internal Resistance of fully charged battery**	6 milliohms
5	**Energy Density (0.05C)**	1.24 Watt-hours/cubic inch (76.2 Watt-hours/)
6	**Specific Energy (0.05C)**	16.7 Watt-hours/pound (36.9 Watt-hours/)
7	**Maximum Discharge Current with standard terminals**	240 amperes
8	**Maximum Short Duration Discharge Current (less than 5 sec.)**	600 amperes
9	**Vibration Test**	(2000 cycles/minute, 0.10 inch excursion, 2 hours) No loss in capacity or performance
10	**Charge Retention (shelf life)**	% of nominal capacity at 77ºF (25ºC) 1 month 97% 3 months 91% 6 months 85%
11	**Operating Temperature Range**	Charge 32ºF (0ºC) to 104ºF (40ºC) Discharge —4ºF (—20ºC) to 122ºF (50ºC) Storage —4ºF (—20ºC) to 104ºF (40ºC)
12	**Case Material**	Synthetic resin (ABS)
13	**Standard Terminal**	B2: M6 Bolt and Nut type

CHARGING METHODS

CYCLIC USE:
Maximum Initial Charge Current: 10A
Charging Voltage: 14.4V-14.7V
Charge should be switched to float mode or disconnected when current drops to 400mA.

STANDBY USE:
Maximum Initial Charge Current: 10A
Charge Voltage: 13.5V-13.8V

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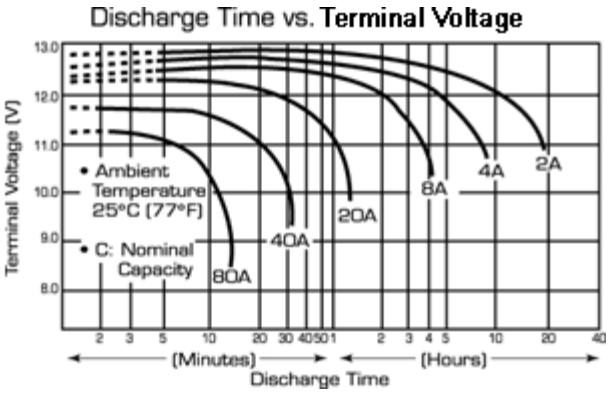

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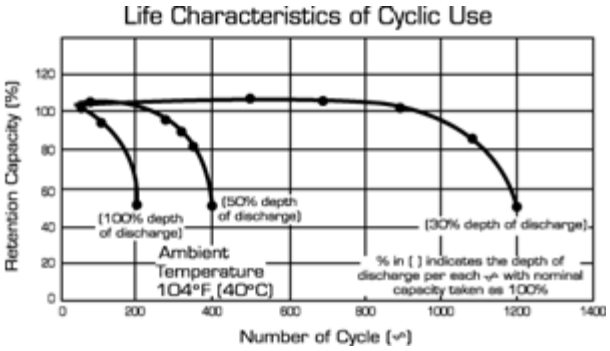

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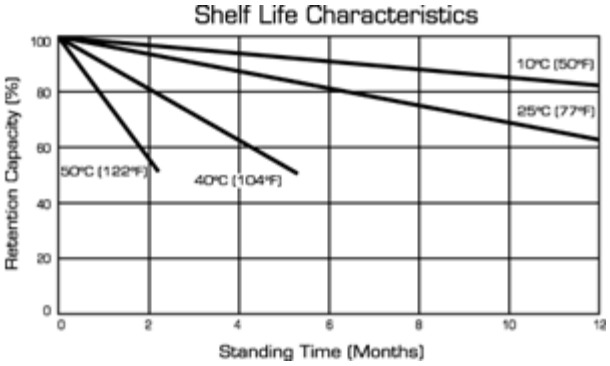

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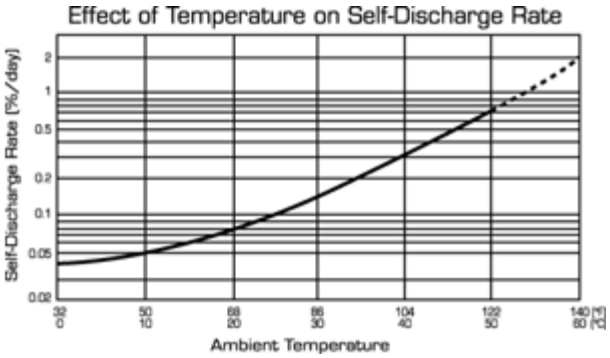

Effect on Temperature on Capacity

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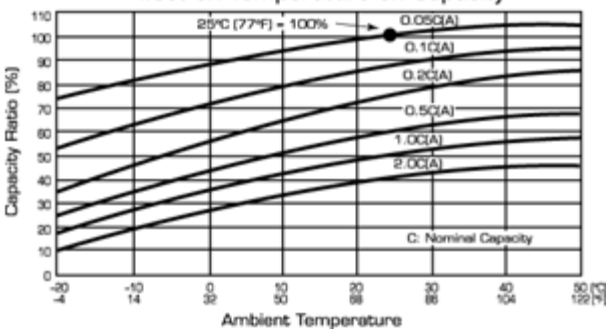

Life Characteristics of Standby Use

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