

GS Portalac PE12V3A

General Specifications
7/17/2000

- 1 Nominal Voltage

- 2 Nominal Capacity

0.05 C	0.15 A to	10.50 V	3.00 Ah
0.10 C	0.30 A to	10.50 V	2.75 Ah
0.20 C	0.60 A to	10.20 V	2.40 Ah
1.00 C	3.00 A to	9.00 V	1.56 Ah

- 3 Dimensions

	Length	Width	Height	Terminal Height
Inches	5.28	2.68	2.40	2.56
mm	134.0	68.0	61.0	65.0

- 4 Weight (Approx.)

<input type="text" value="2.87 Lbs"/>	<input type="text" value="1.30 Kg"/>
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- 5 Internal Resistance (approximatley) mOhm

- 6 Energy Density @ 0.05C

Watt-Hours Per Cubic Inch	<input type="text" value="1.06"/>
Watt-Hours Per Litre	<input type="text" value="64.77"/>

- 7 Specific Energy @ 0.05C

Watt-Hours Per Pound	<input type="text" value="12.56"/>
Watt-Hours Per Kg	<input type="text" value="27.69"/>

- 8 Maximum Discharge Current with standard terminals Amperes

- 9 Maximum Short Duration Discharge Current (less than 5 sec.) Amperes

- 10 Vibration Test (2000 cycles/minute, 0.10 inch excursion, 2 hours)
No loss in capacity or performance

- 11 Charge Retention (shelf life)

% of nominal capacity at 77°F (25°C)	
1 month	97%
3 months	91%
6 months	85%

- 12 Operating Temperature Range

Charge	32°F (0°C)	to	104°F (40°C)
Discharge	-4°F (-20°C)	to	122°F (50°C)
Storage	-4°F (-20°C)	to	104°F (40°C)

- 13 Case Material
Synthetic resin (ABS)

- 14 Standard Terminal
F1: Amp Faston Type 187

Constant Voltage Recharge Methods

Cyclic Use:	Charging Voltage	<input type="text" value="14.40"/>	~	<input type="text" value="14.70"/>	Volts DC
	Maximum Initial Charging Current	<input type="text" value="0.75"/>			Amperes
	*Recommended Minimum Initial Charging Current	<input type="text" value="0.30"/>			Amperes
	Remove from Charge or Switch to Standby Charge when Current Draw Falls to	<input type="text" value="30"/>			mA

Standby Use:	Charging Voltage	<input type="text" value="13.50"/>	~	<input type="text" value="13.80"/>	Volts DC
	*Recommended Standby Charging Voltage	<input type="text" value="13.65"/>			Volts DC
	Maximum Initial Charging Current	<input type="text" value="No Limit"/>			