

GS Portalac PE6V8

General Specifications
7/17/2000

- 1** Nominal Voltage
- 2** Nominal Capacity
- | | | | |
|--------|-----------|--------|---------|
| 0.05 C | 0.40 A to | 5.25 V | 8.00 Ah |
| 0.10 C | 0.80 A to | 5.25 V | 7.33 Ah |
| 0.20 C | 1.60 A to | 5.10 V | 6.40 Ah |
| 1.00 C | 8.00 A to | 4.50 V | 4.40 Ah |
- 3** Dimensions
- | | Length | Width | Height | Terminal Height |
|--------|--------|-------|--------|-----------------|
| Inches | 3.86 | 2.20 | 4.65 | 4.65 |
| mm | 98.0 | 56.0 | 118.0 | 118.0 |
- 4** Weight (Approx.)
- 5** Internal Resistance (approximatley) mOhm
- 6** Energy Density @ 0.05C
- | | |
|---------------------------|-------|
| Watt-Hours Per Cubic Inch | 1.21 |
| Watt-Hours Per Litre | 74.12 |
- 7** Specific Energy @ 0.05C
- | | |
|----------------------|-------|
| Watt-Hours Per Pound | 14.32 |
| Watt-Hours Per Kg | 31.58 |
- 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="7.20"/>	~	<input type="text" value="7.35"/>	Volts DC
	Maximum Initial Charging Current	<input type="text" value="2.00"/>	Amperes		
	*Recommended Minimum Initial Charging Current	<input type="text" value="0.80"/>	Amperes		
	Remove from Charge or Switch to Standby Charge when Current Draw Falls to	<input type="text" value="80"/>	mA		

Standby Use:	Charging Voltage	<input type="text" value="6.75"/>	~	<input type="text" value="6.90"/>	Volts DC
	*Recommended Standby Charging Voltage	<input type="text" value="6.83"/>	Volts DC		
	Maximum Initial Charging Current	<input type="text" value="No Limit"/>			