

GS Portalac PE12V9

General Specifications
7/17/2000

- 1** Nominal Voltage
- 2** Nominal Capacity
- | | | | |
|--------|-----------|---------|---------|
| 0.05 C | 0.45 A to | 10.50 V | 9.00 Ah |
| 0.10 C | 0.90 A to | 10.50 V | 8.25 Ah |
| 0.20 C | 1.80 A to | 10.20 V | 7.20 Ah |
| 1.00 C | 9.00 A to | 9.00 V | 4.68 Ah |
- 3** Dimensions
- | | Length | Width | Height | Terminal Height |
|--------|--------|-------|--------|-----------------|
| Inches | 5.94 | 2.56 | 4.41 | 4.57 |
| mm | 151.0 | 65.0 | 112.0 | 116.0 |
- 4** Weight (Approx.)
- 5** Internal Resistance (approximatley) mOhm
- 6** Energy Density @ 0.05C
- | | |
|---------------------------|-------|
| Watt-Hours Per Cubic Inch | 1.61 |
| Watt-Hours Per Litre | 98.25 |
- 7** Specific Energy @ 0.05C
- | | |
|----------------------|-------|
| Watt-Hours Per Pound | 14.84 |
| Watt-Hours Per Kg | 32.73 |
- 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
F2: Amp Faston Type 250

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="2.25"/>	Amperes		
	*Recommended Minimum Initial Charging Current	<input type="text" value="0.90"/>	Amperes		
	Remove from Charge or Switch to Standby Charge when Current Draw Falls to	<input type="text" value="90"/>	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"/>			