PS1282L Lead-Acid Rechargeable Battery

FEATURES

• Inexpensive
• Excellent Long-Term Stability
• Wide Operating Temperature
• High Reliability

CHARGING

Cycle Applications: Limit initial current to 1600mA. Charge until battery voltage (under charge) reaches 14.40 to 14.70 volts at 68° F (20° C). Hold at 14.40 to 14.70 volts until current drops to approximately 80mA. Battery is fully charged under these conditions, and charger should either be disconnected or switched to "float" voltage.

"Float" or "Stand-by Service": Hold battery across constant voltage source of 13.50 to 13.80 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

PHYSICAL SPECIFICATIONS

Dimensions:

Length 7.72 inches 196 millimeters
Width 2.20 inches 56 millimeters
Height 4.65 inches 118 millimeters
Height over Terminals 4.65 inches 118 millimeters
Approximate Weight 6.70 pounds 3.00 kilograms
Terminals: "F1" Quick disconnect tabs (0.187" x 0.032")
Case: High-impact polystyrene
**ELECTRICAL SPECIFICATIONS**

**Nominal Voltage:** 12 Volts (6 cell in series)

Nominal Capacity:

<table>
<thead>
<tr>
<th>Rate</th>
<th>Current Range</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 hour rate</td>
<td>(400mA to 10.50 volts)</td>
<td>8.00 AH</td>
</tr>
<tr>
<td>10 hour rate</td>
<td>(750mA to 10.50 volts)</td>
<td>7.50 AH</td>
</tr>
<tr>
<td>5 hour rate</td>
<td>(1300mA to 10.20 volts)</td>
<td>6.50 AH</td>
</tr>
<tr>
<td>1 hour rate</td>
<td>(4600mA to 9.00 volts)</td>
<td>4.60 AH</td>
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</tbody>
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Energy Density (20 hour rate) 1.22 Watt-hours/cubic inch 74.1 Watt-hours/l
Specific Energy (20 hour rate) 14.3 Watt-hours/pound 32.0 Watt-hours/kg
Internal Resistance (Fully Charged Battery) 20.0 milliohms (approx.)