**FEATURES**

- Flame-arresting one-way pressure-relief vent for safety and long life.
- Thermally welded case-to-cover bond to eliminate leakage.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- Computer-generated grid design optimized for high power density.
- UL-recognized component.
- Multicell design for economy of installation and maintenance.
- Can be mounted in any orientation.

- Not restricted for air transport — Complies with IATA/ICAO Special Provision A67
- Not restricted for surface transport — Classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189.
- Computer designed lead, low calcium alloy grid for minimal gassing and ease of recycling.
- Case and cover available in both standard and flame retardant polypropylene.
- Flame retardant polypropylene case and cover compliant with UL 1778 (optional).

**UPS12-270**

**VALVE REGULATED LEAD ACID BATTERY FOR UPS STANDBY POWER APPLICATIONS**

**FEATURES**

- Flame-arresting one-way pressure-relief vent for safety and long life.
- Thermally welded case-to-cover bond to eliminate leakage.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
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- UL-recognized component.
- Multicell design for economy of installation and maintenance.
- Can be mounted in any orientation.

- Not restricted for air transport — Complies with IATA/ICAO Special Provision A67
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- Case and cover available in both standard and flame retardant polypropylene.
- Flame retardant polypropylene case and cover compliant with UL 1778 (optional).

**12 Volts – 282 Watts Per Cell** For 15 Minutes to 1.67 Volts per Cell

**Constant Power Discharge Ratings – Watts Per Cell @ 77°F (25°C)**

<table>
<thead>
<tr>
<th>End Point Volts/Cell</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>45</th>
<th>50</th>
<th>60</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>524</td>
<td>361</td>
<td>282</td>
<td>234</td>
<td>176</td>
<td>143</td>
<td>130</td>
<td>120</td>
<td>104</td>
<td>82</td>
</tr>
</tbody>
</table>

**SPECIALTY BATTERY DIVISION**

900 East Keefe Avenue
P.O. Box 591
Milwaukee, WI 53201
Phone: 800-396-2789
Fax: 414-961-6506
UPS12-270 – Specifications

<table>
<thead>
<tr>
<th>Cells Per Unit</th>
<th>Voltage Per Unit</th>
<th>Weight</th>
<th>Electrolyte</th>
<th>Maximum Discharge Current</th>
<th>Short Circuit Current</th>
<th>Ohms Imped. 60 Hz (Ω)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>12.84</td>
<td>57.5 lbs. 26.1 kg</td>
<td>Absorbed H₂SO₄ (\text{SG} = 1.300)</td>
<td>800 Amps</td>
<td>3600 Amps @ 0.1 sec.</td>
<td>0.0040 Ohms</td>
</tr>
</tbody>
</table>

Capacity
282 watts per cell at the 15 minute rate to 1.67 volts per cell at 77°F (25°C).
75 Ah @ 20 hr. rate to 1.75 volts per cell @ 77°F (25°C)
66 Ah @ 10 hr rate to 1.80 volts per cell @ 25°C (68°F)

Operating Temperature Range
Discharge: -40°F (-40°C) to +140°F (60°C), Charge: -4°F (-20°C) to +122°F (50°C)

Nominal Operating Temperature Range
+74°F (23°C) to +80°F (27°C)

Float Charging Voltage
13.5 to 13.8 VDC/unit Average at 77°F (25°C).

Recommended Maximum Charging Current Limit
0.75 amperes (15 amperes @ 100% depth of discharge)

Equalization and Cycle Service Charging Voltage
14.4 to 14.8 VDC/unit Average at 77°F (25°C).

AC Ripple (Charger)
0.5% RMS or 1.5% of float charge voltage recommended for best results. Maximum voltage allowed = 4% P-P
Maximum current allowed = 3.75 amperes rms (Ω20)

Self Discharge
Dynasty UPS batteries may be stored for up to 6 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Accessories
Inter unit connectors, racks and cabinet systems are available.

Terminal
“L” terminal with 0.28” clearance hole to accept 0.25” (6mm) bolt.

Terminal Hardware Initial Torque
40 in-lbs. (4.5 N·m)

Terminal Hardware Annual Retorque
32 in-lbs. (3.48 N·m)

Constant Current Discharge Ratings – Amperes @ 77°F (25°C)

<table>
<thead>
<tr>
<th>End Point Volts/Cell</th>
<th>5</th>
<th>10</th>
<th>15</th>
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<th>45</th>
<th>50</th>
<th>60</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.75</td>
<td>484</td>
<td>342</td>
<td>270</td>
<td>225</td>
<td>171</td>
<td>139</td>
<td>127</td>
<td>117</td>
<td>102</td>
<td>80</td>
</tr>
<tr>
<td>1.70</td>
<td>512</td>
<td>356</td>
<td>279</td>
<td>231</td>
<td>175</td>
<td>141</td>
<td>129</td>
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<tr>
<td>1.65</td>
<td>531</td>
<td>364</td>
<td>284</td>
<td>235</td>
<td>177</td>
<td>143</td>
<td>131</td>
<td>121</td>
<td>105</td>
<td>82</td>
</tr>
<tr>
<td>1.60</td>
<td>544</td>
<td>370</td>
<td>287</td>
<td>237</td>
<td>178</td>
<td>144</td>
<td>132</td>
<td>122</td>
<td>105</td>
<td>82</td>
</tr>
</tbody>
</table>

Note: Batteries to be mounted with 0.5 in. spacing minimum and free air ventilation.

Constant Current Discharge Ratings – Amperes @ 77°F (25°C)

<table>
<thead>
<tr>
<th>End Point Volts/Cell</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>5</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.90</td>
<td>39.0</td>
<td>24.2</td>
<td>17.3</td>
<td>11.6</td>
<td>7.75</td>
<td>6.40</td>
<td>5.42</td>
<td>2.75</td>
</tr>
<tr>
<td>1.85</td>
<td>43.5</td>
<td>25.5</td>
<td>18.3</td>
<td>12.1</td>
<td>8.05</td>
<td>7.29</td>
<td>6.53</td>
<td>2.92</td>
</tr>
<tr>
<td>1.80</td>
<td>47.0</td>
<td>27.0</td>
<td>19.3</td>
<td>12.6</td>
<td>8.39</td>
<td>7.60</td>
<td>6.82</td>
<td>3.06</td>
</tr>
<tr>
<td>1.75</td>
<td>49.0</td>
<td>28.0</td>
<td>19.9</td>
<td>12.8</td>
<td>8.60</td>
<td>7.79</td>
<td>6.98</td>
<td>3.13</td>
</tr>
</tbody>
</table>

Note: Specifications subject to change.