Industrial 120VDC
10 to 60KVA Inverter

Professional Series (ProUPS)
DC to AC Inverter

- True On-line Technology for Maximum Power Protection
- Available in 10kva, 15kva, 20kva, 30kva, 40kva, 50kva, and 60kva Power Ratings
- Single or Three Phase Outputs
- 50Hz or 60Hz Models
- 105 – 150VDC Input Acceptance Range
- 20-Year Design Life
- Solid State Static Transfer Switch Standard
- Copper Wound Transformers
- LCD Monitoring Panel
- LED Power Flow Diagram
- Ethernet RJ45 Communications Port
- Form “C” Alarm Interface Contacts
- Light Gray Powder Coat Finish
- Built to Meet UL1778, NEMA, NEC, ANSI and FCC requirements

10-15KVA Model
Industrial 120VDC  
10 to 60KVA Inverter

Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>10kva</th>
<th>15kva</th>
<th>20kva</th>
<th>30kva</th>
<th>40kva</th>
<th>50kva</th>
<th>60kva</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Load DC Input</td>
<td>80A</td>
<td>120A</td>
<td>160A</td>
<td>240A</td>
<td>320A</td>
<td>400A</td>
<td>480A</td>
</tr>
<tr>
<td>Max DC Input</td>
<td>95A</td>
<td>143A</td>
<td>190A</td>
<td>286A</td>
<td>381A</td>
<td>476A</td>
<td>571A</td>
</tr>
</tbody>
</table>

AC Output Three-Phase

<table>
<thead>
<tr>
<th>Output Voltage VAC</th>
<th>120</th>
<th>208</th>
<th>120</th>
<th>208</th>
<th>120</th>
<th>208</th>
<th>120</th>
<th>208</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency (Hz)</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
</tr>
<tr>
<td>Full Load (Amps)</td>
<td>28.7</td>
<td>12.0</td>
<td>41.7</td>
<td>18.1</td>
<td>55.6</td>
<td>24.1</td>
<td>83.4</td>
<td>42.8</td>
</tr>
</tbody>
</table>

AC Output Single-Phase

<table>
<thead>
<tr>
<th>Output Voltage VAC</th>
<th>120</th>
<th>240</th>
<th>120</th>
<th>240</th>
<th>120</th>
<th>240</th>
<th>120</th>
<th>240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency (Hz)</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
<td>60Hz</td>
</tr>
<tr>
<td>Full Load (Amps)</td>
<td>83.4</td>
<td>41.7</td>
<td>126</td>
<td>63</td>
<td>166</td>
<td>83</td>
<td>250</td>
<td>125</td>
</tr>
</tbody>
</table>

Mechanical

<table>
<thead>
<tr>
<th>Size W x D x H (in)</th>
<th>31.5x30x65</th>
<th>31.5x30x65</th>
<th>63x30x65</th>
<th>63x30x65</th>
<th>63x30x65</th>
<th>81x30x65</th>
<th>81x30x65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (lbs)</td>
<td>1,200</td>
<td>1,300</td>
<td>1,480</td>
<td>1,910</td>
<td>2,570</td>
<td>2,870</td>
<td>3,210</td>
</tr>
</tbody>
</table>

Output

- Regulation: ±2% from 0 to 100% load over entire DC Input range of 105VDC to 150VDC
- Output THD: <3% linear, <5% nonlinear load
- Overload: 120% for 15 min, 150% for 1 min
- Crest Factor: 3:1
- Slew Rate: 1Hz per second (adjustable)
- Frequency: ± 0.01% free running

General Information

- Cable Entry: Top or Bottom
- Ventilation: Forced Air N+1
- Paint: Light Gray Powder Coat
- Cabinet: Seismic Zone 4 Rated

Environmental

- Ambient Temperature: 0°C to 40°C
- Relative Humidity: Up to 95% non-condensing
- Acoustical Noise: 65dB ‘A’ scale @ 1 meter
- Altitude: 5,000 Ft without de-rating
- Storage Temperature: -20°C to 70°C

Note:
1. Specifications shown reflect standard 60Hz Inverter models. Models of 50Hz, 400Hz, or other input/output/battery voltage configurations are available by contacting the factory.
2. All data is subject to change without notice.

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