The Integrated Power System (IPS) is a unique multifunction power supply which incorporates built-in battery back-up and numerous power accessories within a single 2RU (3.5”) chassis, thus eliminating time-consuming system integration, component sourcing and installation, while saving precious rack space—ideal for any low-to-medium power application requiring AC fault tolerant operation.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Amps @ Full Load</th>
<th>Output Adjustment Range</th>
<th>Amps Continuous</th>
<th>Supplemental Input Port*</th>
<th>Internal Battery Capacity</th>
<th>Ground Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPS 48-11</td>
<td>11 / 5.5</td>
<td>54.4</td>
<td>40-60 VDC</td>
<td>11</td>
<td>40 Amps</td>
<td>5 A-H</td>
</tr>
<tr>
<td>IPS 24-22</td>
<td>11 / 5.5</td>
<td>27.2</td>
<td>20-30 VDC</td>
<td>22</td>
<td>40 Amps</td>
<td>10 A-H</td>
</tr>
<tr>
<td>IPS 12-40</td>
<td>11 / 5.5</td>
<td>13.6</td>
<td>10-15 VDC</td>
<td>40</td>
<td>N/A</td>
<td>20 A-H</td>
</tr>
</tbody>
</table>

AC Input
Input Range (switch selectable): 115V = 92-130 VAC 230V = 184-260 VAC Frequency: 47-63 Hz

DC Output
Voltage/Ampere: See Matrix above Maximum Load with External Rectifier and Battery Inputs: 40 amps Regulation: Line: ± 1 %, Load: ± 2 % Ripple: ± 1 %

Power Scaling via Back Panel Quick Connects
External Rectifier Input: 24V, 48V only; 560 or 1,000 watt (see PM Series page 6) External Battery Bank: 12V/24V/48V

Environmental
Temperature Rating: -10° to + 60° C; Derate linearly from 100% load @ 50° C to 75% @ 60° C

Mechanical
Chassis: Aluminum Rack Size: 19” or 23”, 2 RU (3.5”) Cooling: Forced Air Dimensions: 3.5H x 17”W x 18”D Weight: 33 Lbs. (with batteries) 17 Lbs. (without batteries)

Protection
• Current Limit, Short Circuit
• Over Voltage
• Auto Thermal Shutdown/Recovery
• Input Fuse and Circuit Breaker
• Circuit Breaker For Internal Battery
• Low Voltage Battery Disconnect (Adjustable)

Internal Batteries
Type: 12 Volt, 5 A-H Sealed Lead-Acid Maintenance-Free
Amp-Hour Capacity: See Matrix below Weight: 4 Lbs. each; 4 Batteries per Unit Approvals: UL Recognized, DOT and IATA approved for shipment by air

Indicators and Alarms
System “Nominal” indicator lights:
• AC OK
• External Rectifier ON/OK
• Internal Rectifier On/OK
• Battery Contactor Closed
System “Warning” indicator lights:
• Check System
• Battery Disconnected
Form C Alarm Contacts:
• Summary Failure
• AC Input Failure (Optional)

Form C: AC Input Failure Alarm (Optional)
Form C: Summary Alarm Output Contacts
Power Supply/ Battery Charger Module
19” & 23” Rack Mount Ears Provided
Battery On-Line/Off-Line Control Circuit Breaker Front Panel
Output Voltage Adjust Front Panel

Options
AC Input Fail Contacts - Specify 115 or 230 VAC Rectifier/Battery Input Cable Assembly (Model CA-24) Rear Support Bracket for Flush Mounting Models: RSB-19 or RSB-23 Distribution Panel Models: DST-10 (UL), DST-20A (UL) Unit Supplied Without Batteries

Internal Battery
Constant Current Performance (Amps) to 1.75 VPC

<table>
<thead>
<tr>
<th>Model</th>
<th>5 MIN.</th>
<th>15 MIN.</th>
<th>30 MIN.</th>
<th>1 HR.</th>
<th>2 HRS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPS 48-11</td>
<td>15.0</td>
<td>8.0</td>
<td>5.0</td>
<td>3.0</td>
<td>2.0</td>
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<tr>
<td>IPS 24-22</td>
<td>30.0</td>
<td>16.0</td>
<td>10.0</td>
<td>6.0</td>
<td>4.0</td>
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<tr>
<td>IPS 12-40</td>
<td>40.0</td>
<td>32.0</td>
<td>20.0</td>
<td>12.0</td>
<td>8.0</td>
</tr>
</tbody>
</table>

* 24V and 48V models only