-54.5V/30A Power Cabinet

**Power Shelf (Indoor)**

**PRODUCT FEATURES:**
- Modular Design for Accommodating High Power Applications and Easy Maintenance
- Hot Pluggable
- N+1 Redundancy
- Low Voltage Disconnect for the Battery Protection
- External Battery Connection for Providing Extended DC Power Backup
- The System can be Controlled, Measured and Reported by Ethernet (SNMP)

**GENERAL SPECIFICATIONS:**

**INPUT**
- Voltage: 1Ø3W 220VAC (90VAC ~ 290VAC)
- Range: 90 VAC ~ 290 VAC
- Frequency: 45Hz ~ 65Hz
- Power Factor: Typically > 98%
- Efficiency: Typically > 90%

**OUTPUT**
- Voltage: Default -54.5VDC
- Range: -40VDC ~ -60VDC
- Current: 15A/module, 30A max.(2/module)
- Ripple & Noise: ≤ 100mVp-p (0Hz ~ 10MHz)

**ENVIRONMENT:**

**OPERATION**
- Temperature: -10°C ~ +55°C
- Relative Humidity: 10% ~ 95%

**NON-OPERATION**
- Ambient Temperature: -40°C ~ +80°C
- Relative Humidity: 5% ~ 95% (condensing)

**AGENCY COMPLIANCES:**
- Standard – FCC Part15 Subpart B, Class A
- Lightning Surge: ANSI/IEEE C62.41
- Electrostatic Discharge (ESD): EN61000-4-2

**PHYSICAL DIMENSIONS (WxDxH):**

- MODULE (mm): 65 x 331 x 130
- SHELF (mm): 482.6 x 380 x 132.5
System Applied Products
-54.0V/15A VPRM-5415 Power Module

**GENERAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>INPUT</th>
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<th>OUTPUT</th>
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</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>1Ø220VAC</td>
<td>Voltage</td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60Hz</td>
<td>Default -54.5VDC</td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥ Typically 98%</td>
<td>Current</td>
</tr>
<tr>
<td>Efficiency</td>
<td>≥ Typically 90%</td>
<td>15A max.</td>
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<tr>
<td></td>
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<td>Load/Line Regulation</td>
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<tr>
<td></td>
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<td>≤ ± 1.0%</td>
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VPC Control Module
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VPRS-430 Rectifier Shelf