- **54.5V/175A Power Cabinet**
  **Power Shelf (Indoor)**

**PRODUCT FEATURES:**
- Modular Design for Accommodating High Power Applications and Easy Maintenance
- Hot Pluggable
- N+2 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: 35A /module, 175A max.(5 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

**PROTECTION:**
- Input Under | Over Voltage
- Output High Voltage
- Output Current Limit
- Output Short Circuit
- Thermal Shutdown
- Battery Thermal Compensation
- Low Voltage Disconnect

**PHYSICAL DIMENSIONS (WxDxH):**
- MODULE (mm): 85 x 405.5 x 122.5
- SHELF (mm): 482.6 x 450 x 265.9
System Applied Products
-54.5V/35A VPRM5435 Power Module

GENERAL SPECIFICATIONS:

INPUT
Voltage 1Ø220VAC
Frequency 50/60Hz
Power Factor Typically 98%
Efficiency Typically 90%

OUTPUT
Voltage Default -54.5VDC
Current 35A max.
Load/Line Regulation ± 0.5%
System Applied Products
VPRS-4175E Rectifier Shelf