

-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, 175Amax.(5module) |
| Ripple & Noise | ≤ 100mVp-p(0Hz~10MHz) |

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 |

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



System Applied Products -54.5V/35A VPRM5435 Power Module

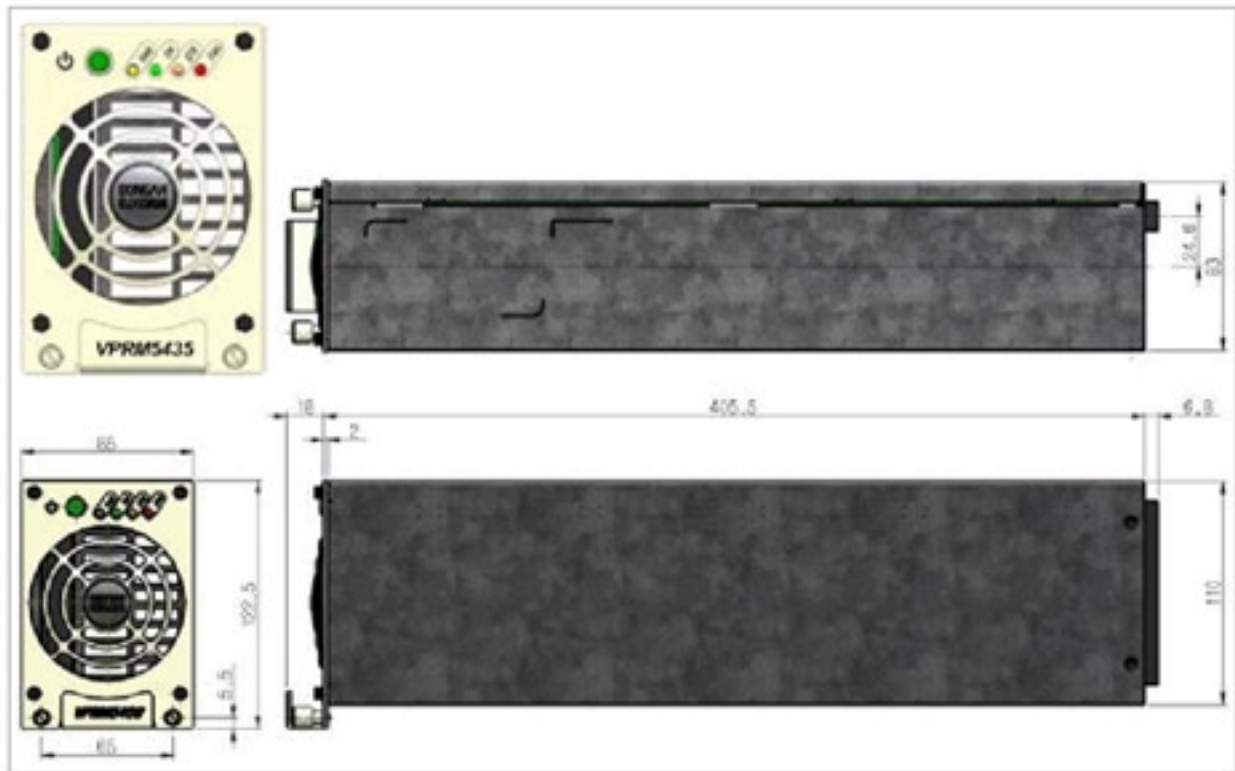
GENERAL SPECIFICATIONS:

INPUT

| | |
|--------------|-----------------|
| Voltage | 10220VAC |
| Frequency | 50/60Hz |
| Power Factor | ≥ Typically 98% |
| Efficiency | ≥ Typically 90% |

OUTPUT

| | |
|----------------------|------------------|
| Voltage | Default -54.5VDC |
| Current | 35A max. |
| Load/Line Regulation | ≤ ± 0.5% |



ITE / EMBEDDED POWER SUPPLY



System Applied Products VPRS-4175E Rectifier Shelf

