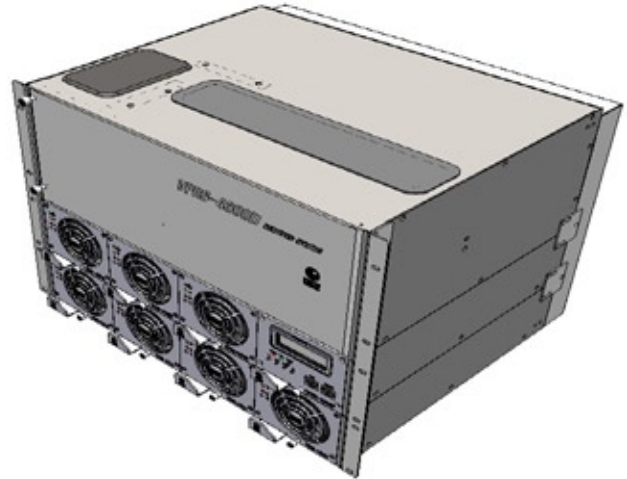


INDOOR Application.

VPRS-4300D

-54.5V/350A Power Shelf



HIGHLIGHTS

- Hot pluggable
- N+4 Redundancy
- The system can be controlled, measured and reported by SNMP
- Automatic battery charging (Floating mode with temperature compensation)
- Load share $\leq 3\%$
- LLVD
- Safety Certifications Pending, for Full Product Family

GENERAL SPECIFICATIONS

INPUT

- Voltage.....1Ø3W 220V
- Range in normal temperature..... 85VAC ~ 300 VAC
- Frequency..... 50Hz/60Hz $\pm 5\%$
- Power Factor..... \geq Typically 99%
- Efficiency \geq Typically 93%

OUTPUT

- Voltage.....Default -54.5VDC
- Nominal output voltage.....-48VDC
- Operating Output Range..... -44VDC ~ -59VDC
- Output power(Max).....22,68KW
- Current.....50A /module, 350A(7module)
-54V/60A(Max), 420Amax.(7module)
- Ripple & Noise $\leq 100\text{mVp-p}(10\text{Hz}\sim 14\text{MHz})$

PROTECTION

- Input Under • Over Voltage
- Output High Voltage
- Output Current Limit
- Output Short Circuit
- Thermal Shutdown
- Battery Thermal Compensation
- Low Voltage Disconnect
- Energy Management

PHYSICAL DIMENSIONS(W× D× H)

- Module(mm).....107 × 336.5× 83(2U)
- Shelf(mm).....483 × 400 × 355(8U)

DISTRIBUTION

- Battery MCB.....1x 200A/ 2P MCB
- Output LVD load CBs:3 x75A/1P,
3x 50A/1P,3x32A/1P (Optional).

ENVIRONMENT

OPERATION

- Temperature.....-20 °C ~ +50 °C (Full Power)
-20 °C ~ +60 °C (Derated Power)
- Relative Humidity.....10% ~ 95%
- Air ventilation

NON-OPERATION

- Ambient Temperature.....-40 °C ~ +80 °C
- Relative Humidity.....5% ~ 95%(non-condensing)

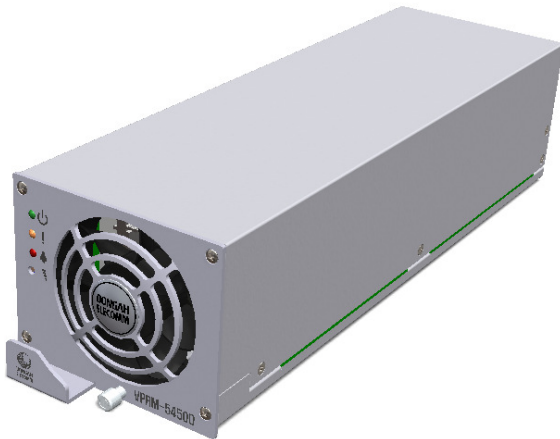
AGENCY COMPLIANCES

- Standard – FCC Part15 Subpart B, Class A
- Telcordia GR-1089-CORE section 4
- Telcordia GR-1089-CORE section 2
- Telcordia GR-63-CORE section 4.4

-54.5V/50A Power Module

SYSTEM APPLIED PRODUCTS

VPRM-5450D



FEATURE

- High Efficiency and unity power Factor.
- Active load sharing.
- Wide input voltage range and operating temperature range.
- Plug and play.
- Air ventilation

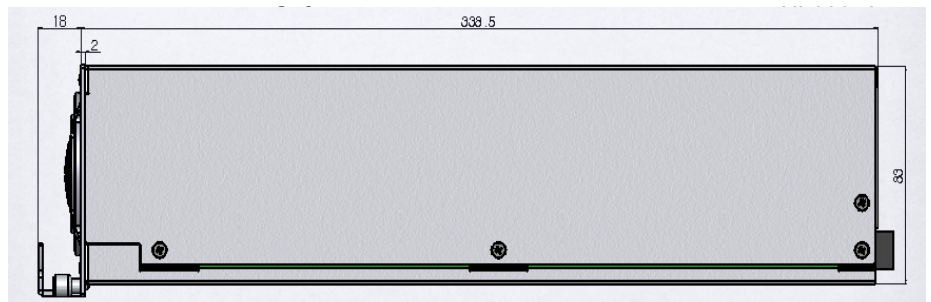
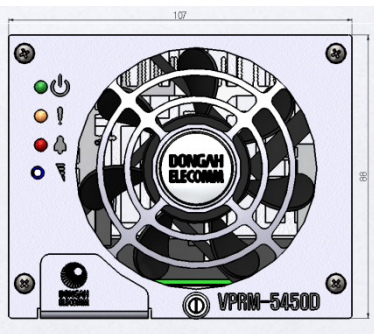
INPUT

- Input Voltage window.....1Ø220VAC
- Non-destructive voltage..... .80-300VAC
- Frequency.....50Hz/60Hz± 5%
- Power Factor..... ≥ Typically 99%
- Efficiency ≥ Typically 93%
- THD.....<5%

OUTPUT

- Voltage.....Default -54.5VDC
- Output Power.....3240W
- Current.....50A(60Amax).
- Load/Line regulation ≤ ± 0.5%
- Diffraction..... ≤ 2mVrm
- Ripple & electric noise..... ≤ 100mVp
- RH(non condensing).....10-95%
- EMC.....FCC part 15,subpart B, class A

DIMENSION

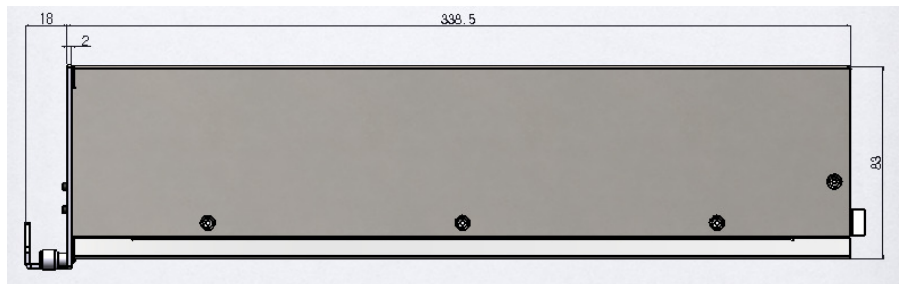
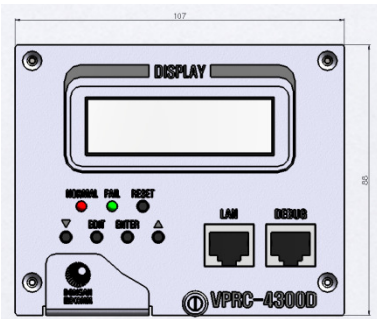


SYSTEM APPLIED PRODUCTS

VPRC-4300D

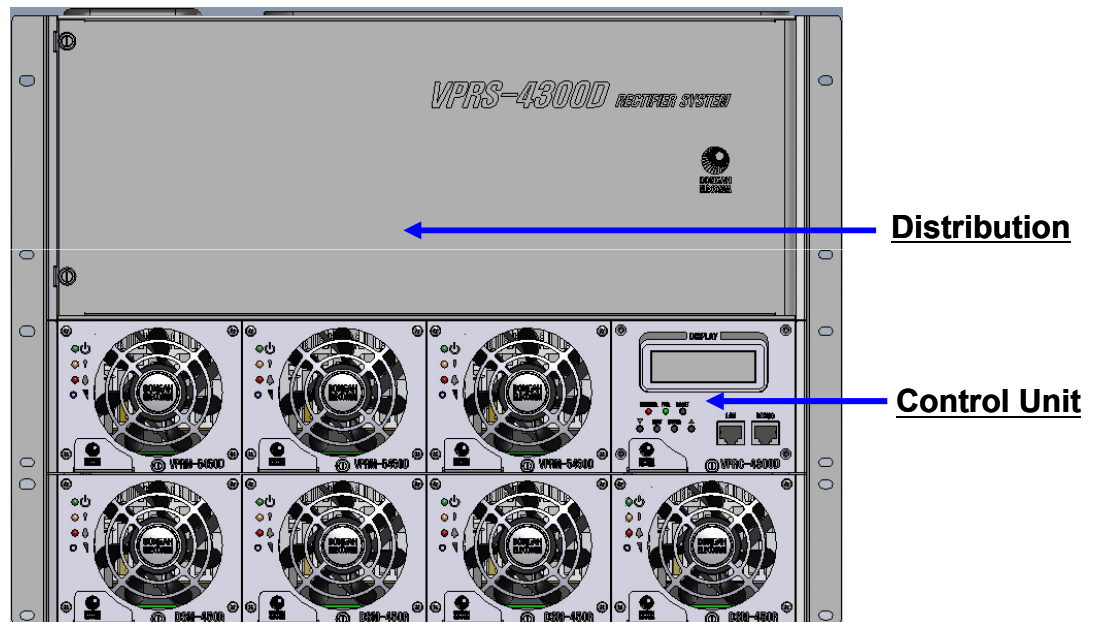


DIMENSION



INDOOR Application.
VPRS-4300D
-54.5V/350A Power Shelf

Configuration of Enclosure



Rectifier Module

Front View