

SWPR-4200S (Shelf Type)

the
POWER

POWER SHELF

9600 Watt Power Shelf -48V 200A Rectifier & Battery Charger

UL us CE CB

PRODUCT FEATURES:

- **Modular Design**
- **4 Rectifier Modules for a total of 200 Amps**
- **Low Voltage Disconnect for battery protection**
- **Battery Connection for providing battery backup.**
- **N + 1 Redundant Rectifiers**
- **Full Featured Status and Alarm**
- **RS485 Serial Interface**
- **World Wide Safety Approval**
- **Rectifier SRM5450 Rectifier Module**
- **AC & DC Distribution Panels Built In**
- **Safety Certifications Pending, for Full Product Family**



INPUT SPECIFICATIONS:

| | |
|------------|--|
| VOLTAGE | 1Ø 240VAC or Range (176 to 264VAC) |
| FREQUENCY | 47-63Hz |
| INRUSH | 20A @ 230VAC (Max Cold Start) per module |
| CURRENT | 15A@ 230 VAC (Max Continuous) per module |
| PROTECTION | Single A Fuse / 250 VAC |
| LEAKAGE | 3.5mA Max @ 230 VAC per module |
| EFFICIENCY | 91% Typical |
| HARMONICS | EN61000-3-2 Class D Compliant (>98% PF) |
| PROTECTION | Input UnderVoltage |

OUTPUT SPECIFICATIONS:

| | |
|-------------------|-----------------------------------|
| OUTPUT VOLTAGE | -48V DC |
| OUTPUT CURRENT | 200 Amps per system |
| ADJUSTMENT RANGE | -40V ~ -58V DC |
| LINE REGULATION | ±0.5% Max over entire input range |
| LOAD REGULATION | ±0.5% maximum |
| TEMP REGULATION | ±0.5% maximum |
| RIPPLE | ≤ 200mVp-p |
| SETPOINT ACCURACY | ±0.5% |
| OVER CURRENT | 115-135% (Auto-Recovery) |
| OVER VOLTAGE | 105-115% (recycle input to reset) |

GENERAL SPECIFICATIONS:

| | |
|-----------------------|--|
| OPERATING TEMPERATURE | -40°C ~ +55°C |
| STORAGE TEMPERATURE | -40°C ~ +85°C |
| COOLING | Forced Air Intelligent Fans |
| HUMIDITY | 5% ~ 95% (Non-Condensing) |
| VIBRATION | 10-55Hz, 2G, 3Min Period, / 60 min each (3 axes) |
| SHOCK | 20G Peak Acceleration |
| RELIABILITY | 150000 Hrs MTBF |
| SIZE (WxDxH) | 711.2mm x 421.5mm x 280mm - 28" x 16.5" x 11" |

STATUS & CONTROL SPECIFICATIONS:

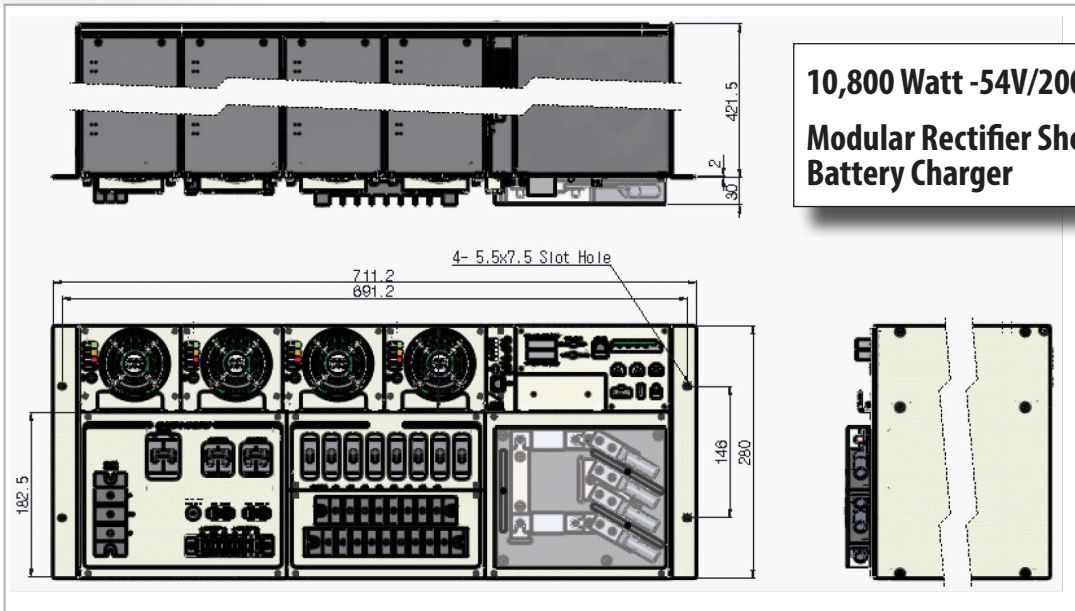
| | |
|---------------|---|
| DC OK | High Signal indicates DC Output is on and within regulation |
| CURRENT SHARE | Single Wire Parallel up to 5 units within ±10% accuracy |
| BATTERY | Low Voltage Disconnect |

EMISSIONS:

| | |
|-----------|-----------------------------|
| EMISSIONS | EN55022 Level B (Conducted) |
|-----------|-----------------------------|

STANDARDS & APPROVALS (TBD):

| | |
|-----------|-------------------------|
| UL/CUL | 60950-1 |
| TELCORDIA | NEBS Compliant (Level3) |



10,800 Watt -54V/200A Power Shelf
Modular Rectifier Shelf and
Battery Charger

