

SWPR-4200P

9.6 KiloWatt Power System
Outdoor Power Cabinet

Features:

- Modular Design
- 4 Rectifier Modules for a total of 200 Amps
- Outdoor use for harsh environments
- Low Voltage Disconnect for battery protection
- External Battery Connection for providing extended battery backup.
- N + 1 Redundancy
- Full Featured Status and Alarm
- RS485 Interface
- Front Panel LED Indicator
- World Wide Safety Approval
- Rectifier SRM5450 Rectifier Module
- Control SRC Control Module

Overview:



DONGAH's Outdoor Cabinet System series is the ideal solution for cell site power requirements, providing reliability and high operation.

The Power Cabinet houses the following power system components:

- AC Distribution Panel
- DC Distribution Panel
- 9.6 KiloWatt Power Supply
- Battery Shelves
- Air Filter & Environment Control
- Cable Routing
- Status / Control / Alarms



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Input Specifications:

VOLTAGE	1Ø 240VAC or 3Ø 208VAC Range (176 to 264VAC)
FREQUENCY	47-63Hz
CURRENT	15A@ 230 VAC (Max Continuous) per Module
EFFICIENCY	91% Typical
HARMONICS	EN61000-3-2 ClassD Compliant (>98 PF)
PROTECTION	Input Undervoltage

Output Specifications:

VOUT1	-48V DC
IOUT	200A DC with 4 Modules
ADJUSTMENT RANGE	-40V ~ -58V DC
OVER CURRENT	115-135% (Auto-Recovery)
OVER VOLTAGE PROTECTION	-59V DC (recycle input to reset)
PROTECTION	Thermal Shutdown
PROTECTION	Battery Thermal Compensation

Standards & Approvals:

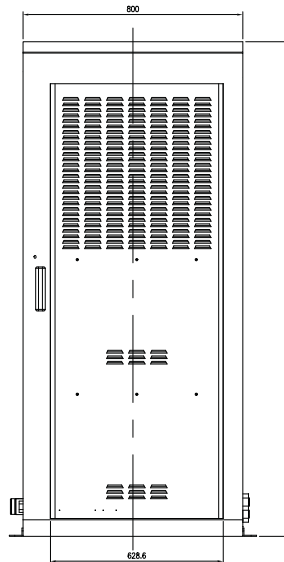
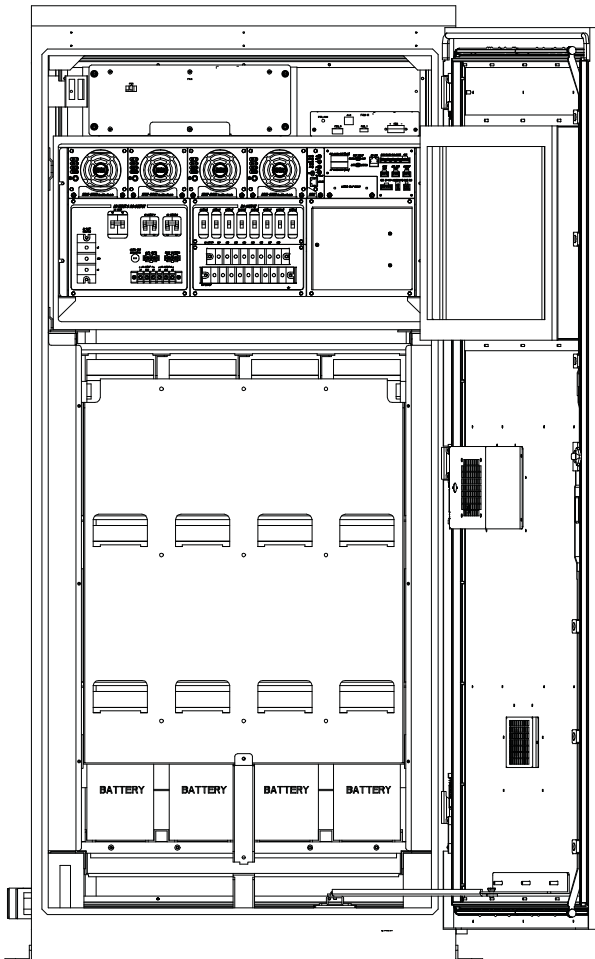
UL/CUL	60950-1	NEBS	Level3
CB	EN60950-1 / IEC60950-1	TELCORDIA	GR-63-CORE
CE MARK	Low Voltage Directive	TELCORDIA	GR-1089-CORE
		TELCORDIA	GR-487-CORE

Status & Control Signals:

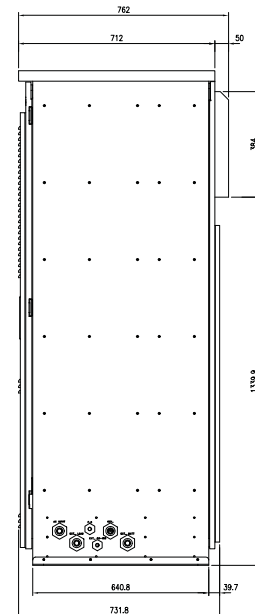
REMOTE SENSE	Compensates for up to 250mV Drop
AC PRESENT	High 500ms after AC applied / Low 4ms before loss of DC regulation
DC OK	High Signal indicates DC Output is on and within regulation
CURRENT SHARE	Single Wire Parallel up to 5 units within ±10% accuracy
VOLTAGE TRIM	Remote Margin V1 ±5% minimum
BATTERY	Low Voltage Disconnect

General Specifications:

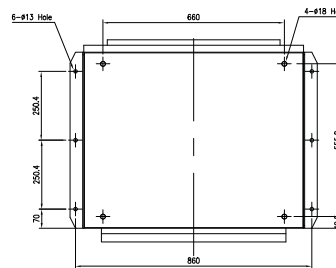
OPERATING TEMP	-40°C to +65°C
STORAGE TEMP	-40°C to +85°C
OPERATING HUMIDITY	10% to 90% Non-Condensing
STORAGE HUMIDITY	5% to 95% Non-Condensing
COOLING	Internal Thermally Controlled Fan in each rectifier
VIBRATION	10-55Hz, 2G, 3min period/60 min each (3 axis)
SHOCK	20G Peak Acceleration
RELIABILITY	150000 Hrs MTBF
SIZE	800 x 762 x 1800mm / 31.5 x 29.6 x 71" (W x D x H)



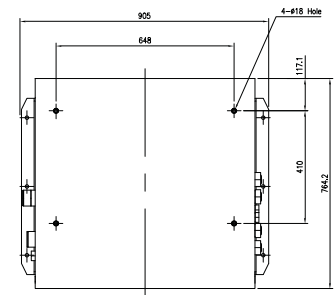
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



TOP VIEW

North America

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