

# 4\*PWS1-135M-R Rack Solution



## Features



### Flexible Configuration

- Installs 1~4 PWS1-135M-H-CN/EX/NA/MG-R modules
- Pre-wired AC common busbar
- Modular design for scalable power solutions



### High Efficiency & Stability

- Integrated PMS-U2 control board for parallel PCS control
- Ethernet switch for centralized module communication
- Simplified EMS communication with the PMS-U2-P



### Extensive Use

- Four independent DC input branches with individual fuses and DC disconnectors
- Optional common DC busbar for single DC connection to batteries
- Designed for scalable integration into various power requirement



### Safety & Compatibility

- Robust rack design for secure module installation
- Pre-installed protection devices for AC and DC connections
- Centralized control for enhanced system reliability and safety

# Specification

Model	Max 4*PWS1-135M-EX
<b>Utility-interactive Mode</b>	
Nominal Power	4*135kW
AC Max Power	4*135*1.1kVA
AC Voltage	400 (-15%~15%) Vac
DC Voltage Range	600 V~1000 V
DC Voltage@fullload	720 V~1000 V
DC Current	4*193A
AC Connection	3P3W/3P4W
AC Frequency	50±5Hz
THDI	≤3%
Voltage Ripple Coefficient	≤1%
AC PF	0.99/-1~1
Current Overload	1.1 times long-term
<b>Stand-alone Mode</b>	
Nominal Power	4*135kW
AC Max Power	4*135*1.1kVA
AC Voltage	400 (-15%~15%) Vac
DC Voltage Range	600 V~1000 V
DC Voltage@fullload	720 V~1000 V
DC Current	4*193A
AC Connection	3P4W
AC Frequency	50±5 Hz
AC PF	-1~-0.3, 0.3~1
Current Overload	1.1 times long-term / 1.2 times for 1min / 1.5 times for 10s

# Specification

System Parameters	
Dimensions (width × height × depth)	1250*2250*800 mm (No screws)
Number of Modules	4
DC Input Branches	1 branche
AC Connection	Pre-wired AC common busbar; each PCS AC side is equipped with a circuit breaker
DC Connection	Equipped with a common DC bus for combined connection (each PCS DC side is equipped with a fuse and an isolating switch)
Control System	Integrated PMS-U2 control board for parallel PCS control
Communication Interface	Single Ethernet port for EMS communication; (Equipped with an 8-port switch for communication between the EMS, various modules, and the U2 control box)
Enclosure	Module: IP66C5 Rack: IP55C5 (Enclosure)
Weight	1100kg (Estimated)
Operation Temperature	-40°C ~ 60°C (≥55°C derating)
Cooling	Forced air cooling
Operation Humidity	0~100% (no condensation)
Operation Altitude	3000m (>3000m derating)
Installation Method	Floor-standing (No heat source: 1500mm at the front side, 800mm at the left side, and 50mm at the right/rear side)
Communication	
Communication	RS485, Ethernet, CAN (Through PMS-U2-P)
Communication Protocol	Modbus TCP/RTU, CAN 2.0 (Through PMS-U2-P)