COMMERCIAL ENERGY STORAGE SYSTEM

PV rack cabinet for grid-connected and off-grid operation

SPS-832V150KW/261KWh-PVR

261 kWh SYSTEM CAPACITY	**150 kW** RATED AC OUTPUT
165 kW MAX. AC OUTPUT	**UP TO 330 kW** MAX. PV INPUT OPTION
IP67 BATTERY PACK RATING	**400 V AC** RATED AC VOLTAGE



Product illustration

KEY FEATURES

Preassembled PV and energy storage cabinet with liquid cooling. The system supports grid-connected and off-grid operation, with RS485, LAN and 4G communications.

SPS-832V150KW/261KWh-PVR

TECHNICAL SPECIFICATIONS

SPS-832V150KW/261KWh-PVR - 261 kWh configuration

PV INPUT DATA (DC)

SPECIFICATION	261 kWh CONFIGURATION
Maximum PV input voltage	**1,000 V DC**
MPPT voltage range	250-1,000 V DC
Maximum PV input options	165 / 247.5 / 330 kW
MPPT module options	2 / 3 / 4

OUTPUT DATA (AC)

SPECIFICATION	GRID-CONNECTED	OFF-GRID
Rated AC output power	**150 kW**	**150 kW**
Maximum AC output power	165 kW	165 kW
Rated AC voltage	400 V	400 V
Rated AC output current	216 A	216 A
Rated frequency	50 / 60 Hz	50 / 60 Hz
Grid voltage range	320-460 V	-
Grid frequency range	45-55 / 55-65 Hz	-
Harmonic distortion	THDi <3%	THDu ≤1% linear / ≤5% nonlinear
Grid connection	3W + N + PE	-

BATTERY SYSTEM

System capacity	261 kWh
Cell type, as declared	Solid-state
Rated battery voltage	832 V DC
Battery voltage range	650-949 V DC
Battery pack ingress rating	IP67

FEATURES

Cooling	Liquid cooling
Communications	RS485 / LAN / 4G
DC circuit protection	Provided
Battery protection	Multilevel
Fire suppression	Provided

OPERATING CONDITIONS

Operating temperature	-30 to +55 °C
Relative humidity	0-95% RH, non-condensing
Operating altitude	≤5,000 m

CONFIGURATION AND SITE DESIGN

Confirm the ordered PV and MPPT options, site derating, cabinet dimensions and weight, and applicable grid approvals before specifying the system.

IP67 applies to the battery pack. Confirm overload and transfer limits for the intended installation.