

PCS250 Station

AC(on-grid)

Apparent power	275kVA
Rated power	250kW
Rated voltage	400V
Rated current	361A
Grid voltage range	310-450V
Rated frequency	50/60Hz
Frequency range	45-55/55-65Hz
Isolation method	Transformer
Overload capability	110%-10 mins 120%-1 min
AC connection	3/N/PE

DC(Battery)

Cell type	3.2V/100Ah
Configuration of battery module	12S2P
Configuration of battery bank	18S2P
Battery capacity	276kWh
Rated voltage	691.2V
Battery voltage range	604.8V-766.8V
Rated current	417A
Rated charge/discharge	0.5C
Max. charge/discharge	1C
Communication	CAN

DC (PV)

Max. PV open-circuit voltage	1000V DC
Recommended PV power	250kWp
MPPT voltage range	350V-850V
Full load MPPT voltage range	480V-850V
Max.input current	575A(115A*5)
Number of MPPT	5

General Information

Configuration	PCS250+PBD250+Bypass250+BR138*2
Dimension (W/H/D)	6058/2591/2438mm
Weight	10000kg
Operating temperature	-25 °C~+55 °C
Relative humidity	0-95% non-condensing
Protection degree	IP54
Maximum altitude	6000m (derate over 3000m)
Standby consumption	<100W
Lightning system	LED Lighting
Fire fighting system	Industrial grade
Cooling of battery chamber	HVAC
Cooling of PCS chamber	Forced-air
Transfer between on/off grid	Automatic≤10ms