PWX1-1250KTL-H-EX/NA

Power Conversion System

Features

Flexible Configuration

- 5MWh, 1C , 0.5C and 0.25C application
- Global grid certified, CN/EX/NA

High Efficiency & Stablility

- Rated power point efficiency ≥98.5%
- Large high voltage 1500V module design, 99% system online
- IP65, C5
- Support to use 4 units parallel in both AC and DC simultaneously.

Intelligent Collaboration

- VSG & PQ & VF multiple operation modes
- With active/reactive four-quadrant adjustment function
- 100+MW off-grid parallel operation & black start function

Grid-friendly

- 100+MW grid-forming function
- LVRT & HVRT capabilities
- Precision Source-Grid-Load switching function

Specification

Model	PWX1-1250KTL-H-EX/NA
AC Parameters	
Rated AC Power	1250kVA
AC Connection	3P3W
AC Overload Capacity	1.1times long-term; 1.8 times overload 10s
AC Voltage	690(-15%~10%)V
AC Frequency	50/60 (-5~5) Hz
THDi	≤3%
PF	0.99/-1~1
DC Parameters	
Maximum DC Power	1375kW
DC Voltage Range	1040V~1500V
Branch number	1
Rated DC Current	1202A
Voltage Regulation Accuracy	≤±1%
Current Regulation Accuracy	≤±1%
System parameter	
Maximum Efficiency	99% (Rated power efficiency 98.5%)
Dimensions (width × height × depth)	720*2300*1600 mm 720*2300*2100 mm (with bent pipes)
Weight	1400kg
Enclosure	IP65
Operation Temperature	-40~60℃(> 55℃ Derate)
Cooling Method	Air Cooling
Operation Humidity	0~100% ((No condensation)
Operation Altitude	3000m (> 3000m Derate)

Communication	
Communication	RS 485, Ethernet, CAN
Communication Protocol	Modbus TCP/RTU, IEC104, IEC61850