

# PWS1-2500KTL-H-L

## Liquid Cooling PCS Cabinet



### Features

#### Flexible Configuration

- Unique building block system, allowing flexible to add or remove modules
- Supports the connection of multiple battery branches, avoiding direct parallel connection of battery clusters and effectively solving the circulating current problem

#### High Efficiency & Stability

- Max efficiency > 98.5%, DC1500V
- Each module operates independently, with 99% system online
- Three-level modular design enables bi-directional energy conversion

#### Intelligent Collaboration

- Equipped with peak shaving and valley filling automatic operation strategies
- Supports multiple VSG/PO/VF operation modes such as
- With grid-connected/off-grid and black-start functions

#### Grid-Friendly

- Equipped with LVRT and HVRT functions
- With active power and four-quadrant adjustment functions
- With precise switching of source-grid-load and grid-forming functions

# Specification

Model	PWS1-2500KTL-H-L
<b>AC Parameters</b>	
Rated AC Power	2500kVA
AC connection	3P3W
Maximum AC power	2750kVA
AC Voltage	690 (-15%~10%) V
AC frequency	50/60 (-5~5) Hz
THDi	≤3%
PF	0.99/-1~1
<b>DC Parameters</b>	
Maximum DC Power	2750kW
DC Voltage Range	1000V~1500Vdc
Branch number	1/12
Maximum current per branch	236A
Voltage Regulation Accuracy	≤±1%
Current Regulation Accuracy	≤±1%
<b>System Parameters</b>	
Maximum Efficiency	98.5%
Dimensions (width × height × depth)	1150*2400*2388 mm
Weight	3700kg
Noise	< 75dB
Enclosure	IP55
Operation Temperature	-25~60°C
Cooling Method	Liquid Cooling
Operation Humidity	0~95% (No condensation)
Operation Altitude	3000m (> 3000m Derate)
<b>Communication</b>	
Communication	RS 485, Ethernet, CAN
Communication Protocol	Modbus TCP/RTU, IEC104, IEC61850
BMS	Support