

Power Mega Series

AI-Powered Battery Safety Detection and Customer Service



- ✓ Flexible and Easily Expanded as per the Requirements
- ✓ Supports Both On-grid and Off-grid Operations
- ✓ Integrate all Things and Easy for Installation
- ✓ Equip with Cloud-based Monitoring Capabilities

Model	PMA-A125K-261K
DC Parameters	
Cell Type	LFP-3.2 V-314 Ah
Battery Rated Capacity	261.248 kWh
Nominal Voltage	832 Vdc
Charging/Discharging C-rate	≤0.5CP
Cooling Method	Intelligent Liquid Cooling
AC Parameters (Grid-connected)	
Rated Power	125 kW
Grid Voltage	400 V (-10%~10%)
Rated Current	180 A
Rated Grid Frequency	50 Hz/60 Hz
Grid Frequency Range	45~55 Hz/55~65 Hz
Total Current Harmonic Distortion	<3% (at rated power)
Power Factor	>0.99 (at rated power)
Power Factor Adjustable Range	-1 (leading) ~1 (lagging)
AC Parameters (Off-grid)	
AC Off-grid Voltage	400 V (-5%~5%)
AC Off-grid Frequency	50 Hz/60 Hz
Off-grid Output Voltage Distortion	<3% (linear load)
System Parameters	
Cooling Method	Liquid Cooling+Air Cooling
Fire Protection System	Aerosol + Water-based Fire Protection (optional)
Anti-corrosion Grade	C4
Protection Level	IP54 (IP55 for battery compartment)
Operating Temperature Range	-20 °C~+45 °C
Storage Temperature	-20 °C~+35 °C (≤6 months)/ -20 °C~+45 °C (≤1 month)
Operating Humidity Range	0~95% RH
Installation Method	Outdoor Installation
Working Condition	Maximum 2 charges and 2 discharges per day
System Communication Interface	Ethernet / RS485
External System Communication Protocol	Modbus TCP / IEC104 / Modbus RTU
Altitude	Within 4,000 m
Dimensions (W×D×H)	1350×1326×2080 mm
Weight	2,490±5% kg
Certification	
IEC62619, IEC60730, IEC61000, IEC62477, EN50549, VDE4105, VDE4110, VDE4120, UN38.3, UN3480	

※ Information may be subject to modify without notice.

If there is any change in product size and parameters, please refer to the latest information without prior notice.