

POLA-16L-P

Always Here Anywhere



Extreme Climate Ready

IP66+, C5-M
-20°C~55°C wide operation



7-layer Safety

Multi-layer protection from cell to system
≤3s fire suppression response



High-power Performance

10.24kW continuous backup
95% DOD



Flexible System Scalability

Plug & play wiring and auto addressing
Up to 256kWh, 16 units parallel



High Efficient Installation

Integrated 4 handles, built-in wheels
≤18min installation



Long-term Reliability

Pre-diagnosis before site visit
314Ah LFP cells@6000+ cycles

SPECIFICATION

Model	POLA-16L-P
Nominal Energy	16kWh
Nominal Voltage	51.2V
Operating Voltage Range	43.2-57.6V
Cell Type	LFP (LiFePO ₄)
Dimension(W*D*H)	410*240*870mm (excl. wheel) / 410*240*940mm (incl. wheel)
Weight	120kg
Charging Temperature	From - 20 to 55°C
Discharging Temperature	From - 20 to 55°C
Depth of Discharge	95% DOD
Nominal Charge/Discharge Current	160A / 160A
Max. Charge/Discharge Current	200A / 200A (90min,25°C)
Maximum Parallel Number	16
Ingress Protection Degree	IP66
Anti-Corrosion Degree	C5-M
Cooling Type	Natural convection
Humidity	≤95%
Installation	Wall-Mounted, Floor-Mounted
Altitude	3000m (>2000m derating)
Communication	CAN/RS485/WIFI/Bluetooth/4G (Optional)
Battery Safety	IEC 62619/CE-EMC/EN 62040/UN38.3
Fire Protection	Aerosol
Auxiliary Heating	Standard

