

Low-voltage Lithium Iron Battery Cabinet

PRO Series: C-48KWH/64KWH/80KWH/96KWH



The PRO series of cabinet-mounted low-voltage lithium batteries, manufactured with long-life and easy-to-maintain technology, provide modular and scalable energy storage systems that meet the needs of low-voltage energy storage systems for outdoor or dusty, humid environments in homes and small industrial and commercial settings.

- A-grade LiFePO4 Cells from Top 5 Brands
- Compatible with Mainstream Inverters
- Intelligent BMS, Automatic Restoration and Maintenance-free
- Modular Drawer Style Design
- Scalable to 114.68kWh Based on Needs
- Perfect Thermal Management Technology to Control the Temperature Rise in the Battery System
- 10 Years Warranty, 10 Years Lifespan
- Lifetime Technical Support



MSDS



Technical Data

Model	C-48kWh	C-64kWh	C-80kWh	C-96kWh
Cell Type	LiFePO4			
Battery Cell	314Ah			
Energy	48.23kWh	64.307kWh	80.384kWh	96.46kWh
Nominal Voltage	51.2V			
Voltage Range	42VDC-58VDC			
Nominal Charge/Discharge Current	300A	400A	500A	600A
MAX Continuous Discharge Current	300A	400A	500A	600A
MAX Instantaneous Discharge Current	600A	800A	1000A	1200A
Overcurrent Protection	660A	880A	1110A	1320A
Ingress Protection	IP54			
Warranty	PRO Series: 10 years / SAM Series: 5 years			
Cycle Life	≥6000 Times @ SOH≥80% & 0.5C, 25°C			
Cooling	Forced air cooling			
SOC estimation	YES			
Intelligent balance	YES			
sleep and wake-up	YES			
Protection Function	Over-charge, Over-discharge, Over-current, Short-circuit, Over-voltage, Under-voltage, Over-high/low temperature			
Ingress Protection	IP 50			
Communication Protocol	RS485 / CAN / RS232 / BT			
Operating Temperature	Charging: -20°C~65°C ; Discharging: -30°C~70°C			
Storage Temperature	-10°C~40°C			
Humidity	5%~95%(non-condensing)			
Altitude	≤2000m			
Size	480*810*900mn	480*810*1300mn	480*810*1600mn	480*810*2058mn
Weight	Approx. 650kg	Approx. 850kg	Approx. 1050kg	Approx. 1250kg
Certification	CE:IEC 61000-6-3:2021;IEC 61000-6-1:2019; IEC 61000-3-2:2009+A1:2021; EN61000-3-3:2013+A2:2021+AC:2022 UN38.3, MSDSCE-EMC, UN38.3, MSDS			