

NEO Magnum

5.112 MWh Commercial BESS

Outdoor Liquid Cooling



- **New cell technology**
Higher energy density packed into the same form factor. Extended battery lifetime & performance.
- **Upgraded Module Design**
Featuring independent O&M window & two-way stop valve; Intelligent liquid cooling technology-maintains $\Delta T < 2.5^{\circ}\text{C}$.
- **Higher ROI & Cost-advantages**
Reduced CAPEX & OPEX; Improved TCO & Lower LCOS.
- **Energy Management**
Peak shaving.
Monitoring and indicating status of battery and other equipment.
- **Frequency Regulation**
Fast response and high accuracy to provide regulation service for grid.
- **Easy Expansion**
Modular design for easy capacity expansion.
- **Smart O & M**
Designed for minimal downtime and simplified maintenance

NEO Magnum Technical Data

Model		SEP-CE5112K
Main Parameter		
Cell Chemistry		LiFePO ₄
Configuration		1P416S12P
Rated Energy		5111.8kWh
Rated Voltage		1331.2VDC
Voltage Range		1040 ~ 1500VDC
Charging Current (rated)		1920A
Charging Power (rated)		2555.9kW
Discharging Current (rated)		1920A
Discharging Power (rated)		2555.9kW
Operating Ambient Temperature		-20°C to +50°C (Charge/Discharge)
Storage Temperature		-30°C to +60°C
Environment Humidity		10% ~ 90%RH
Application altitude		≤3000m (Standard)
Dimension (W×D×H, mm)		2438x6058x2896
Weight		~43000kg
IP Level		IP55-Bat. Room, IP54-Electric Room, IP67-Bat. Pack
Cooling mode		Liquid Cooling
Communication protocol		CAN, RS485, TCP/IP
Certifications		UL1973, UL9540A, IEC 62477-1, IEC62619, IEC 62933-5-2, IEC 63056; UN38.3, UN3536; EN/IEC61000-6-2, EN/IEC61000-6-4; CE
Color		RAL9016
Fire Safety		1. Fire panel with heat and smoke sensors 2. Fire resistant enclosure 3. Gas sensor and active ventilation system 4. Automatic aerosol-based fire suppression system