

■ Micro-grid Battery Energy Storage System



Features



All-in-one design with a high level of integration, incorporating PCS, battery, transformer, and distribution inside. Supports multiple parallel units.



Modular power design ensures that a single module failure does not affect overall operation, enhancing operational efficiency.



OTA upgrade capability, cloud data integration, remote maintenance, fault recording, big data analysis, and cloud plus terminal integrated control.



Capable of integrating with renewable energy sources such as solar to reduce carbon emissions.

Specification

Model	NX10-500/1446-EX	NX10-750/1446-EX
AC Parameters		
Wiring Method	3-phase 4-wire + PE	3-phase 4-wire + PE
Rated Voltage	400Vac (380~415)	400Vac (380~415)
Frequency	50/60(±1) Hz	50/60(±1) Hz
Rated Power (kW/KVA)	500/500	750/750
Rated AC Current	721A	1082A
Max AC Current	866A	1299A
Overload Capacity	$\leq 500\text{kVA}$, Continuous $\leq 550\text{kVA}$, 10min $\leq 600\text{kVA}$, 1min	$\leq 750\text{kVA}$, Continuous $\leq 825\text{kVA}$, 10min $\leq 900\text{kVA}$, 1min
Power Factor	-1~1 leading or lagging	-1~1 leading or lagging
Battery parameters		
Battery Capacity	1446kWh	1446kWh
Battery Type	LiFePO ₄	LiFePO ₄
Cell capacity	3.2V/314Ah	3.2V/314Ah
Cell Cycle Life	≥ 6000 cycles(80%DOD)	≥ 6000 cycles(80%DOD)
Rack Configuration	1P240S	1P240S
Operating Temperature Range	Charge 0°C~50°C; Discharge -20°C~50°C	Charge 0°C~50°C; Discharge -20°C~50°C
PV Access Parameters		
PV Connection	AC Coupling	AC Coupling
System Parameters		
Equipment Dimensions	6058×2438×2591mm	6058×2438×2591mm
Weight	<25t	<25t
Protection Level	IP55	IP55
Relative Humidity	0~95%(non-condensing)	0~95%(non-condensing)
Altitude	<3000m	<3000m
Antiseptic Rank	C3	C3
Cooling Method	Air-cooling	Air-cooling
Fire Fighting	Aerosol	Aerosol
Communication Method	RS485, Ethernet, CAN2.0	RS485, Ethernet, CAN2.0
Certification	IEC62619, IEC61000, IEC62477, IEC 63056, AS/NZS 4777.2, NRS-097, UN3536	IEC62619, IEC61000, IEC62477, IEC 63056, AS/NZS 4777.2, NRS-097, UN3536