



KWH
5 NEXA
LITHIUM-ION
ENERGY STORAGE BATTERY

51.2V 100Ah



FEATURES



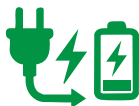
Ultra-Long Life
Built with LiFePO4 cells, delivering 6000+ reliable charge cycles.



High Safety
Advanced LiFePO4 chemistry ensures safe and stable operation.



OC Modular Design
Modular design allows flexible expansion as per energy needs.



Reliable Backup Power
Provides reliable backup power for uninterrupted home use.



Proven Reliability
Engineered for 6000+ cycles for long-term durability.



Ultimate Performance
Supports 1C charge/discharge for high-demand applications.





Specifications	Details
Model	Nexa (5.12 kWh)
Display	LED Indicator
Installation	Floor Stand or Wall Mount
Dimension (H*D*W)	620*132*420 mm
Weight (KG)	47 KG
Cell Technology	Lithium Iron Phosphate, LiFePO4
Cooling Type	Natural
Cell String	16S
Nominal Voltage	51.2 V
Nominal Capacity	100 Ah
Nominal Energy	5.12 kWh
Usable Energy	4.608 kWh
Operating Voltage Range	44.8 V - 57.6 V
Charge Current	50A
Discharge Current	100A
Expansion	Upto 16 units in parallel, Max 80 kWh
Communication	CAN, RS485
Cycle Life (26°C 0.5C)	≥ 6000 times @90% DOD
Operation Temperature	Charge: 0 ~ 55°C Discharge: -20°C ~ 55°C
Storage Temperature	-20 ~ +35°C
Storage Humidity	≤95% RH, Non-condensation
Altitude (m)	≤2000 m
IP Class	IP21
Internal Resistance	<30mΩ

