



# KWH 2.5 NEXA LITHIUM-ION ENERGY STORAGE BATTERY

25.6V 100Ah



## FEATURES



### Ultra-Long Life

Built with LiFePO4 cells, delivering 6000+ reliable charge cycles.



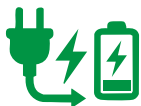
### High Safety

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 (2.56 kWh)
Display	LED Indicator
Installation	Floor Stand or Wall Mount
Dimension (H*D*W)	502*187*242 mm
Weight (KG)	20 KG
Cell Technology	Lithium Iron Phosphate, LiFePO4
Cooling Type	Natural
Cell String	8S
Nominal Voltage	25.6 V
Nominal Capacity	100 Ah
Nominal Energy	2.56 kWh
Usable Energy	2.304 kWh
Operating Voltage Range	22.4 V - 28.8 V
Charge Current	100A
Discharge Current	100A
Expansion	Max 2 units, Max 5.12 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

