



**KWH**  
**16 NEXA**  
**SMART**

**LITHIUM-ION**  
ENERGY STORAGE BATTERY

51.2V 314Ah



## FEATURES



### Ultra-Long Life

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



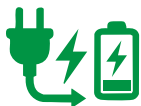
### High Safety

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 Smart (16.07 kWh)
Display	5" LED Display, Wifi, Bluetooth
Installation	Floor Stand
Dimension (H*D*W)	850*236*550 mm
Weight (KG)	125 KG
Cell Technology	Lithium Iron Phosphate, LiFePO4
Cooling Type	Natural
Cell String	16S
Nominal Voltage	51.2 V
Nominal Capacity	314 Ah
Nominal Energy	16.07 kWh
Usable Energy	14.4693 kWh
Operating Voltage Range	44.8 V - 57.6 V
Charge Current	157A
Discharge Current	157A
Expansion	Upto 16 units in parallel, Max 256 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)	<4000 m
IP Class	IP23
Internal Resistance	<30mΩ

