

Low-Voltage Residential ESS(16kWh)

For Flexible Microinverter Systems



Model

Nest-LV-FS-16K

Floor-standing



High-Capacity LV ESS

16 kWh Single-Pack Capacity
314Ah LFP Cells



Compact Installation Design

16 kWh Single-Pack · Floor-Standing
Compact Footprint · IP65 Rated



High-Density LFP Battery

314Ah Large-Cell Design
6000 Cycles at 80% DOD



Retrofit-Friendly Integration

RS485 / CAN Communication
Microinverter & PV Inverter Support



High Power Capability

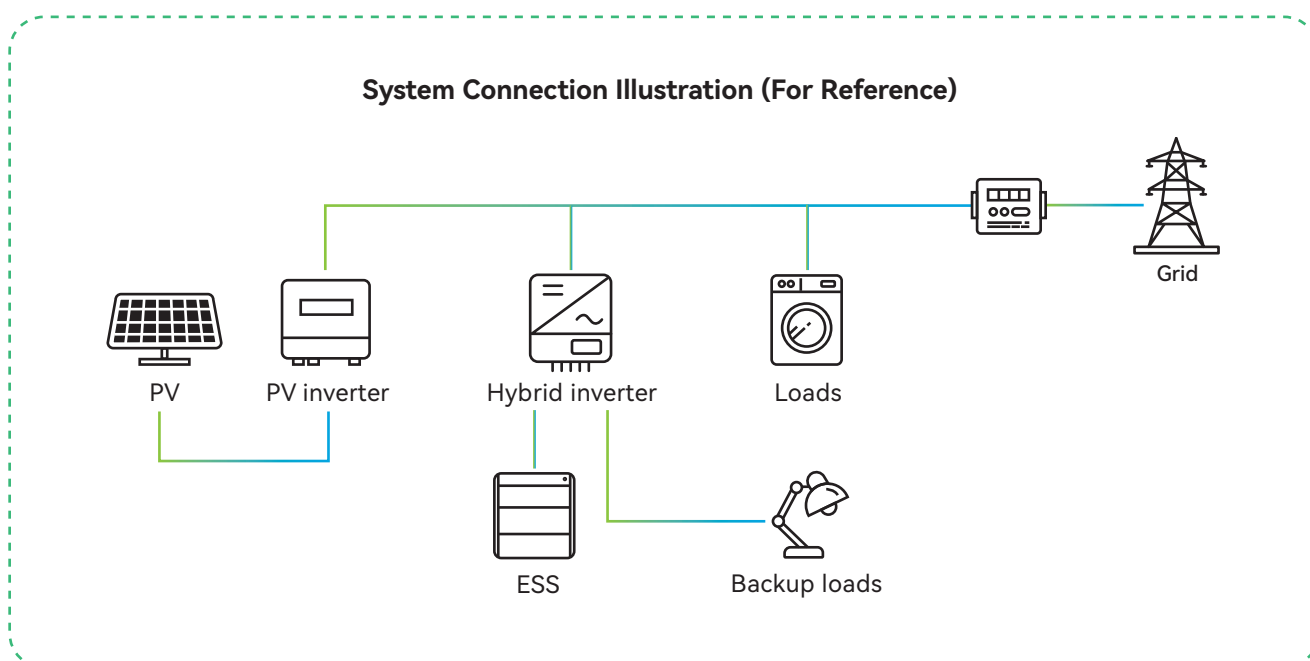
120A Continuous Current
205A Peak Discharge



Wide Environmental Adaptability

Natural Convection Cooling
Operating Temperature: -20°C to 55°C

Model	Nest-LV-FS-16K
Battery Type	LFP
Cell Capacity	314 Ah
Capacity	16 kWh
Nominal Voltage	51.2 V
Max. Charge Current	120 A
Max. Discharge Current	120 A
Peak Current	205 A
Communication	RS485 / CAN
Dimensions	550 × 860 × 175mm
Weight	140 kg
Operating Temperature	Charge: 0 to 55 °C Discharge: -20 to 55 °C
Storage Temperature	5 to 35°C
Relative Humidity	5–95%
Max. Operating Altitude	< 3000 m
Cooling Method	Natural Convection
Protection Rating	IP65
Installation Method	Floor-standing
Cycle Life	≥6000 cycles @ 80% DOD
Expansion	Fast expansion with 2 parallel units Up to 16 units with DC combiner



All specifications are for reference only. Dimensions and weight are approximate and subject to change as product design is finalized.