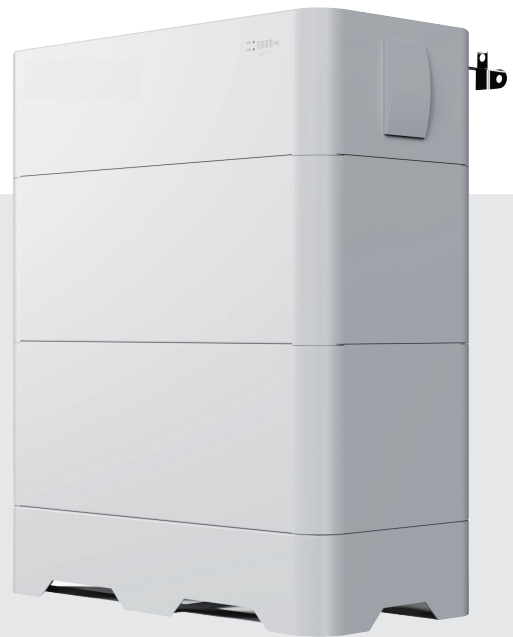


Low-Voltage Residential ESS(16kWh)

For Flexible Microinverter Systems



Model

Nest-LV-ST-16K

Stackable



Modular Stacked Design

Lightweight Battery Modules
Tool-Free Stacking Design



Scalable System Capacity

Fast Expansion with 2 Units
Up to 16 Units Total



High-Density LFP Battery

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



High Power Capability

120A Continuous Current
205A Peak Discharge



Retrofit-Friendly Integration

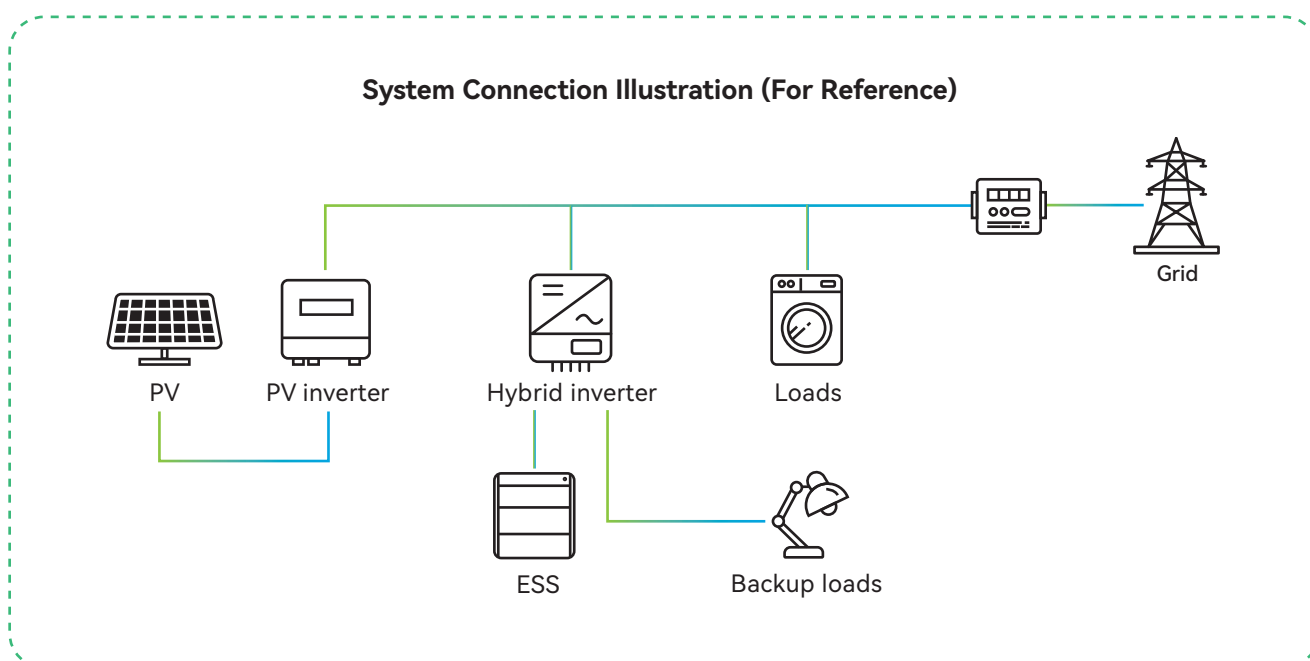
RS485 / CAN Communication
Compatible with Microinverter Systems



Safe & Outdoor-Ready

IP65 Protection
BMS + Breaker-Level Protection

Model	Nest-LV-ST-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	700 × 350 × 260mm
Weight	170 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	Stackable
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.