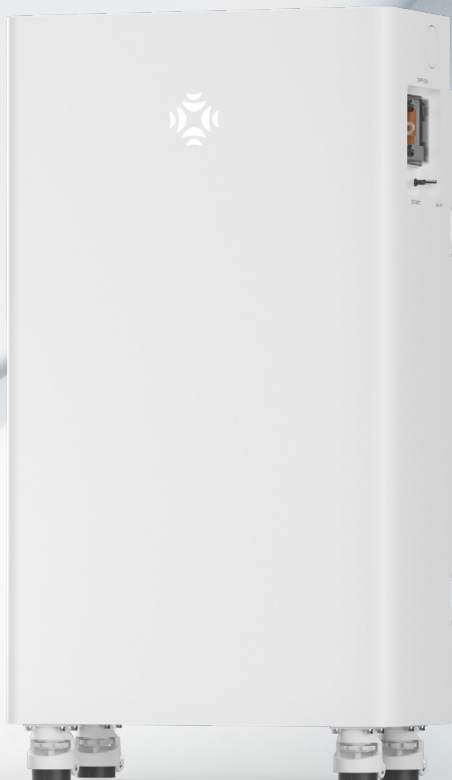
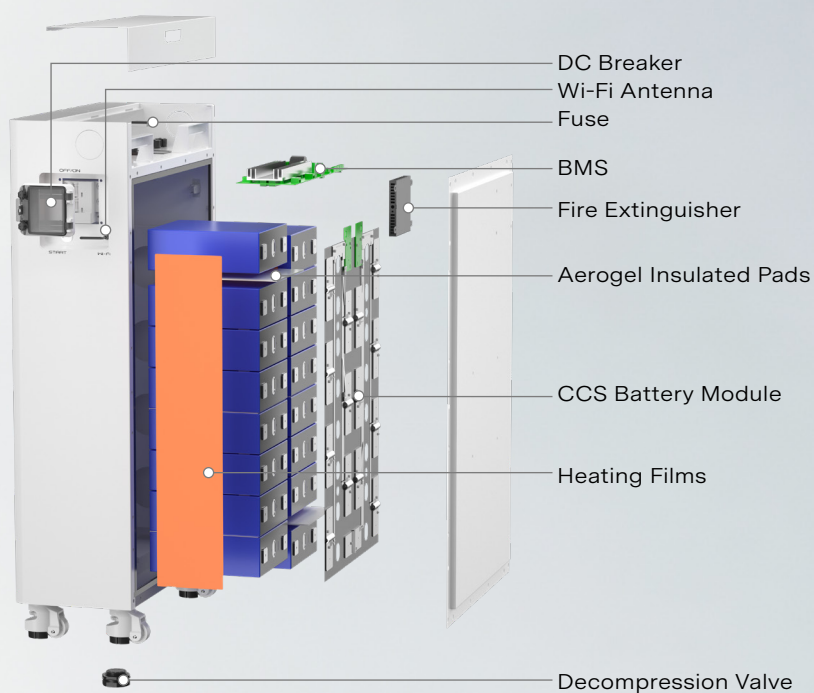


Power Lite Plus Series

AI-Powered Battery Safety Detection and Customer Service



- ✓ Tier-One LFP Battery Cells
- ✓ Advanced BMS Control
- ✓ Supports Charging Down to -10 °C
- ✓ Max. 64 Sets in Parallel
- ✓ Automatic Parallel Configuration
- ✓ IP65
- ✓ Easy Installation
- ✓ Blackout and Emergency Backup



Model	IG-16K-U
Cell Type	LiFePO4
Rated Capacity	314 Ah
Rated Voltage	51.2 V
Rated Energy	16 kWh
Working Voltage Range	43.2 V - 58.4 V
Max. Parallel Quantity	64 sets, 1,028.9 kWh
Max. Charge Current	150 A, 0.48C
Max. Continuous Discharge Current	200 A, 0.64C
Max. Charge / Discharge Power	7.6 kW / 10 kW
Peak Discharge Current / Power	210 A / 10.7 kW, 1 min.
Available SOC Range	0% ~ 100%
Dimensions (W x D x H)	500x235x960 mm (±5) 19.69*9.25*37.80 in (±5)
Weight	~308.7 lbs / ~140 kg
Operating Temperature ^[1*]	Charge: -10 °C~55 °C / 14 °F ~ 131 °F Discharge: -15 °C ~ 55 °C / 5 °F ~ 131 °F
Storage Temperature ^[2*]	-15 °C ~ 55 °C / 5 °F ~ 131 °F
Working Humidity	5 ~ 95% RH (non-condensing)
Altitude	≤ 3,000 m / 9,843 ft
Communication	CAN / RS485 / Wi-Fi
Cycle Life ^[3*]	>8,000 cycles
Fire Extinguisher in Pack	Yes
Heating Film in Pack	Yes
Installation Methods	Floor-standing / Wall-mounted
Warranty	10-Year
IP Rating	IP65
Certification	UL 1973, UL 9540A, UN 38.3, FCC

[1*] Recommended operating temperature: 10 °C ~ 30 °C / 50 °F ~ 86 °F

[2*] Recommended storage temperature: 10 °C ~ 30 °C / 50 °F ~ 86 °F

[3*] Working condition: 0.5C @ 25 °C, 90% DoD, 1 cycle per day