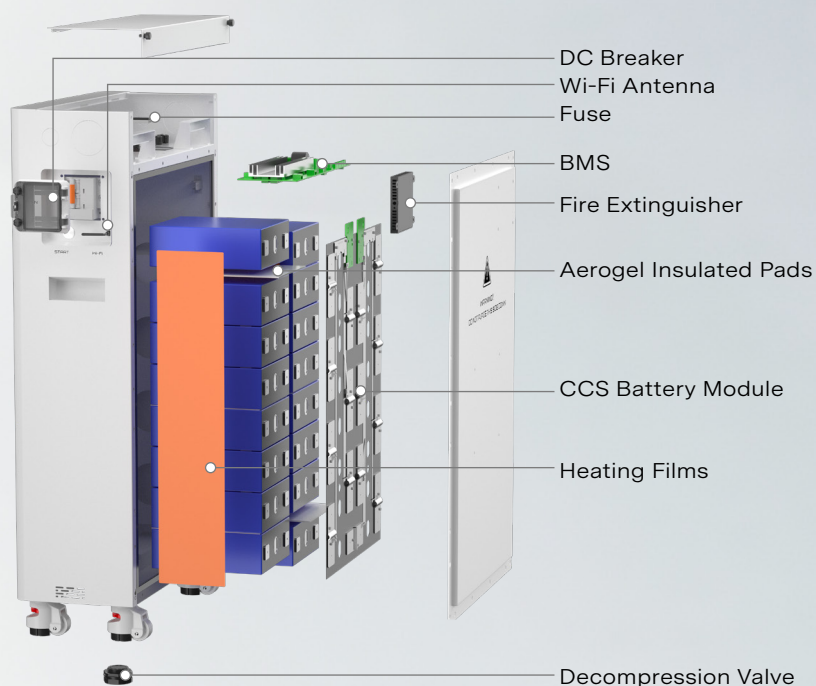


Power Lite Plus Series



- ✓ Tier-One LFP Battery Cells
- ✓ Advanced BMS Control
- ✓ Supports Charging Down to -20 °C / -4 °F
- ✓ Max. 64 Sets in Parallel
- ✓ Automatic Parallel Configuration
- ✓ IP65
- ✓ Easy Installation
- ✓ Blackout and Emergency Backup



Model	IG-16K-U	
Nominal Capacity	314 Ah	
Nominal Energy	16.0 kWh	
Usable Energy ^[1]	16.0 kWh	
Nominal Voltage	51.2 V	
Working Voltage Range	43.2 V to 58.4 V	
Max. Parallel Quantity ^[2]	Max. 64 units in parallel, 1,024 kWh	
Rated Charge / Discharge Current	160 A / 160 A	
Max. Charge / Discharge Current ^[3]	160 A / 200 A	
Max. Charge / Discharge Power	8.2 kW / 10.24 kW	
Peak Discharge Current / Power	250 A / 12.8 kW, 15 s	
Recommended Power	7.8 kW	
Available SOC Range	10% to 100% (Adjustable)	
Transportation SOC Range	50% ± 5%	
Dimensions (W × D × H)	500 × 235 × 943 mm (±5) 19.7 × 9.3 × 37.1 in (±0.2)	
Weight	~125 kg / ~275.6 lb	
Operating Temperature ^[4]	Charge: -15 °C to 55 °C / 5 °F to 131 °F Discharge: -20 °C to 55 °C / -4 °F to 131 °F	
Cell Temperature Protection	Charge Spec: < 0 °C or > 60 °C / < 32 °F or > 140 °F Discharge Spec: < -20 °C or > 60 °C / < -4 °F or > 140 °F Charge Recovery: > 5 °C or < 50 °C / > 41 °F or < 122 °F Discharge Recovery: > -15 °C or < 50 °C / > 5 °F or < 122 °F	
Storage Temperature ^[5]	-20 °C to 55 °C / -4 °F to 131 °F	
Working Humidity	5% to 95% RH (non-Condensing)	
Altitude	≤ 9,842 feet (≤ 3,000 m)	
Communication	CAN, RS485, Dry Contact, Wi-Fi	
Certifications	IEC 62619, IEC 61000, IEC 62040, CEC, UL 9540, UL 9540A, UL 1973, UN 38.3, FCC	
Designed Cycle Life ^[6]	8,000 cycles	
Warranty	10 years	
IP Rating	IP65	
Cooling	Natural Cooling	
Heating Function ^[7]	Yes	
Fire Extinguishing Device ^[7]	Yes	

^[1] Test conditions: 100% DoD, 0.2C charge and discharge at 25 °C ± 3 °C for a battery system at beginning of life (BOL). System usable energy may vary with different inverters.

^[2] Recommended: ≤16 Parallel Connections, 256 kWh.

^[3] Derating will occur depending on temperature and SOC.

^[4] Without Heating Function: Charge: 0 °C to 55 °C / 32 °F to 131 °F, Discharge: -20 °C to 55 °C / -4 °F to 131 °F.

^[5] Recommended Storage Temperature: 10 °C to 30 °C / 50 °F to 86 °F.

^[6] 0.5C, 90% DoD, 25 ± 2 °C, to 70% SOH.

^[7] Standard configuration; Actual shipment may vary depending on the specific order.

※ Information is subject to change without notice.