



Integrated Machine Specifications

G5K/15K-XCLE-Ha



- Quickly raises battery temperature by 20°C+ in cold conditions, ensuring stable operation and longevity.
- 97.8% conversion and 95% battery-to-AC efficiency significantly cut energy waste and costs.
- Multi-level protection meets global standards, preventing overcharge, over-discharge, and short circuits.
- LCD + Wi-Fi enable real-time tracking and remote fault alerts for proactive oversight.
- Power switchover in <20ms (capacitive) and <10ms (resistive) ensures stable operation during fluctuations.
- Runs below 40dB, ideal for residential and commercial use, enhancing user comfort.
- All-in-one design reduces installation costs, supports expansion and multiple interfaces.
- Meets global standards, lowers emissions, and unlocks green energy policy benefits.
- 5-year battery and inverter warranty builds market trust and confidence.

Model	G5K/15K-XCLE-Ha
Battery	
Cell Materials	LiFePO ₄
Pack Method	16S1P
Nominal Capacity	300Ah
Nominal Voltage	51.2V
Energy	15.36KWh
Communication Method	CAN、RS485、RS232
Charge Cut-off Voltage	58.4V
Discharge Cut-off Voltage	44V
Maximum Charging Current	100A
Maximum Discharge Current	100A
Cycle Life	≥6,000 times (25±2°C, initial clamping force 300Kgf, Standard charge mode /Standard discharge mode, residual energy≥672Wh)
Internal Impedance	≤20mΩ
AC Input	
Main Topology	L+N+PE
Nominal Voltage	230VAC
AC Output	
Main Topology	L+N+PE
Output Voltage Waveform	Pure Sine Wave
Nominal Output Voltage	230VAC
Nominal Output Power	5000W
Power Factor	0.8 Leading~0.8 Lagging
Frequency Range	Line Mode: Synchronized range, Battery Mode: 50/60Hz±0.1%
Harmonic Distortion	≤3% (Linear Load) ; ≤5% (Non-linear Load PF=0.7)
Transfer Time	<20ms (capacitive load); <10ms (resistive load)
Overlord Capacity (Battery Mode)	110% 30s / 120% 10s / 150% 80ms
Efficiency	
Max. Efficiency	97.8%
EU Efficiency	97%
Max. Battery to AC Efficiency	95%
Standby Power	< 60W (No-load mode, battery disconnected)
General parameters	
IP Protection Level	IP65
Heating Function	With heating function
WIFI	With WIFI
Operating Temperature Range	-20°C~55°C
Ambient Humidity	5~95%(No condensation)
Display Usage	LCD
Quality Guarantee	5 years for battery cells and 2 years for inverter boards
Operating Altitude	<2000m
Cooling	Intelligent air cooling
Size(W/D/H) (mm)	680×300×1630(mm)
Weight	About140kg 140kg
Noise	<50dB