

Inverter Charger

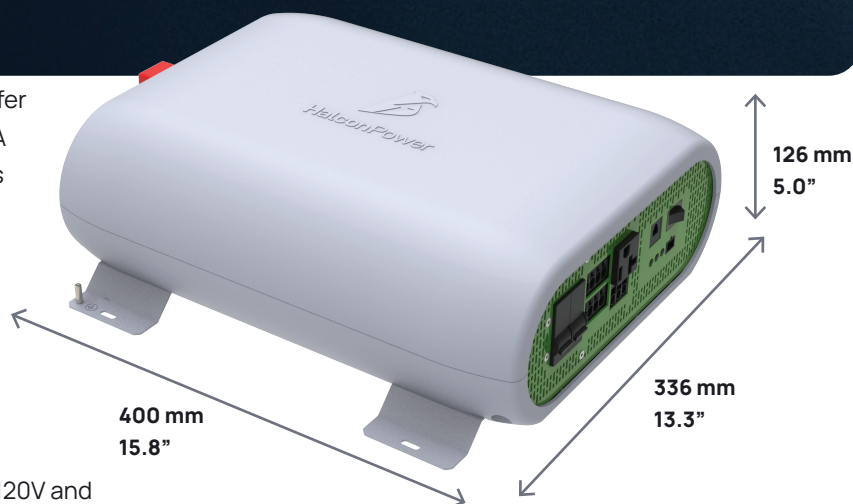
(12V, 3kW Output (120V & 240V), 200A Charger)

HALIC123KW

This reliable, space-saving inverter charger with a 50A transfer switch delivers 3KW of power output and provides up to 200A of battery charging. Single Phase input and output at 120V as well as dual phase input at 120V and 240V output

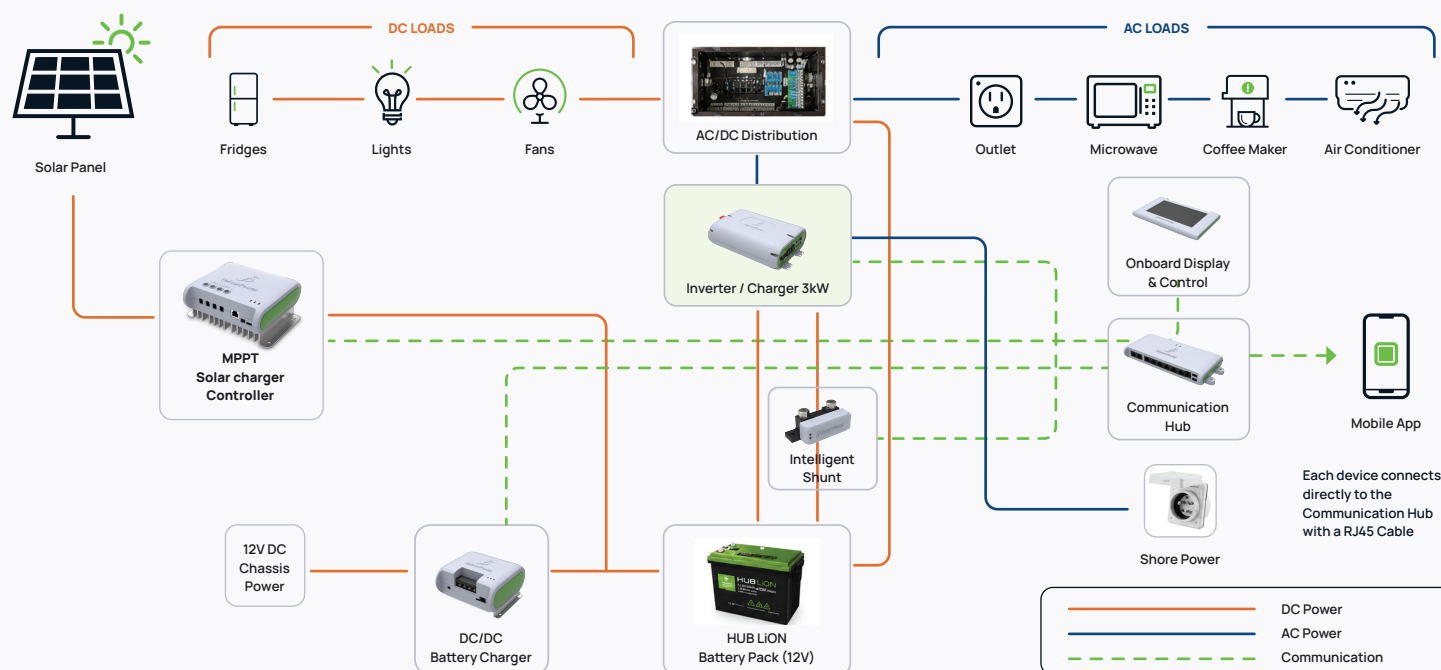
Key Features:

- **Built-in Bluetooth:** Supports Bluetooth via mobile app.
- **Small footprint:** Saves space and easy installation.
- **High Energy Density:** Small size and high power output
- **120V and 240V output:** Single phase input and output at 120V and split phase input at 120V and 240V output.
- **Transfer Switch:** 50A Built-in Transfer Switch
- **Battery Charger:** 200A battery charger (multistage) provides industry leading charger output for faster battery charging
- **Communication options:** Supports CAN (RV-C).
- **3 year Product Warranty**



System Integration

Every Halcon Power product is designed as part of a fully integrated energy ecosystem, helping simplify implementation and deliver reliable system performance.



Technical Specifications

Specifications	Product Details
General	
Model	HALIC123KW
Rated Output Power	3000W
Peak Power	6000W
Rated Output Voltage	100V / 110V / 115V / 120VAC (default) / 127VAC / 240VAC (dual input) (+/-3%)
Output Frequency / Output Wave Form	50Hz or 60Hz / Pure Sine Wave
THDV / Power Factor	THDV < 3.5% (resistive load) / 1
Rated Output Efficiency / Max Output Efficiency	> 87% / > 93 % (30% load)
No Load Loss	< 19.5W
ECO Energy-Savings / ECO Starting Power	< 6W (mode loss) / < 30W, 30 to 100W (adjustable)
ECO Interval Time	1 min, 30s to 30 min adjustable
Battery & AC Input & AC Output	
Rated Battery Voltage / Battery Voltage Range	12VDC / 10.8 to 15.5VDC
Rated Charging Current / Max Charging Current	200A / 200A (default), and 0 to 200A adjustable
AC Input Voltage	90 to 140VAC single phase / 180 to 280VAC (split phase)
AC Input Frequency	45 to 65Hz
Rated Input Current / AC in Maximum Input Current	50A / 50A (default), and 0 to 50A adjustable
AC Out1 Rated Current / AC Out2 Rated Current	16A / 50A
120/240VAC Output Terminal Rated Load Current	50A
Physical	
Dimension (L x W x H) / Net Weight	400 x 336 x 126mm (15.8" x 13.3" x 5.0") / 8.7kg (19.2lb)
Installation / Installation Dimension	Wall mount or floor mount / 248 x 321mm mount hole spacing, 5.5mm diameter mounting hole
Warranty	3 years
Environmental & Transfer & Comms & Protection	
Environmental	-20°C to 65°C (-4°F to 149°F)
Noise	< =60dB
Cooling Method / IP Protection	Natural heat dissipation & fan / IP20
Transfer Relay AC Current Rating / UPS SwitchingTime	50A surge (40A continuous) / 10ms
Communication	Bluetooth, RS485, CAN (RV-C)
Protection Functions	DC input over-voltage / over-discharge, AC output overload / short circuit, AC input over-voltage / under-voltage protection, over-temperature, fan stall
Other	
Safety	cETLus