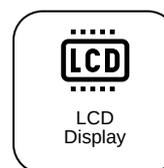
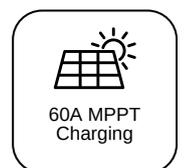


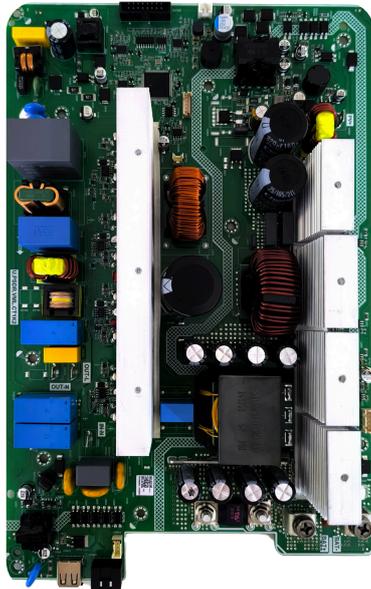


# LW1K2-12

## Solar MPPT Hybrid Inverter



# TECHNICAL INFORMATION



- **Enhanced Thermal Management**

Flat-type transformer design improves heat dissipation efficiency by 50%, ensuring stable operation under high-load conditions.

- **Integrated System Reliability**

All-in-one modular architecture eliminates interconnection losses, delivering 99.6% system stability across varying environmental conditions.

- **Extended Service Life**

Double-sided conformal coating (IPC-CC-830B compliant) provides comprehensive protection against moisture, dust, and corrosion, extending MTBF by 30%.

- **Uncompromised Performance**

Full-load continuous operation capability with <1% THD maintains 100% rated power output across 25°C-55°C operating range.

## Technical Information

Model	LW1K2-12
Rated Power	1200W/1200VA
Peak Power	Bypass 2200VA
AC Input Voltage	220Vac, 50/60Hz±0.1%
AC Output Voltage	208Vac/220Vac/230Vac/240Vac±5%
Peak Efficiency (Battery Mode)	90.5%@12VDC
Rated Battery Voltage	12VDC / 12.8VDC
PV Max Input Current	14A
PV Max Input Power	1000W
PV Input Voltage Range	15-125VDC
MPPT Tracking Range	20-100VDC
Max AC Charging Current	60A
Max PV Charging Current	60A
MPPT Tracking Efficiency	99.5% Max
WIFI Communication	Not Supported
Battery Communication	Supported
Package Size	395*321*168 mm
Product Gross Weight	5.3 KG
20'GP Loading Quantity	1300 Pcs
40'HQ Loading Quantity	3200 Pcs