

Single-phase Off-grid Inverter



- High PV Voltage
- Suitable for Harsh Environment
- Built-in ATS, Support Generator

- 2 PV Array Input
- 500V high PV input voltage
- Maximum PV array power 8kW
- Built-in ATS, can automatically switch between the power grid and the generator
- Built-in dustproof kit, suitable for harsh environment
- Can work with or without batteries



Model	LN-MF6KL-S1
Rated Power (kW)	6
System DC Voltage (V)	48
Parallel Option	Yes, up to 6 units
Monitoring Option	WiFi or GPRS
AC Voltage (V)	220~230~240
Surge Power (kVA)	12
Peak Efficiency	94%
Transfer Time	10ms (For Personal Computers) 20ms (For Home Appliances)
Waveform	Pure Sine Wave
Self Consumption at 0 Load (W)	<70
Type of PV Array Input Terminal	MC4
Max. PV Array Open Circuit Voltage (V)	500
Max. PV Input Current/Per String (A)	16
Number of PV Array Input	2 Strings
Max. PV Array Power (kW)	Each String: 4; Total 8
Operating Voltage MPPT Range (V)	120~450
Battery Overcharge Protection (V)	60
Max. Solar Charge Current (A)	100
Max. AC Charge Current (A)	80
Max. Charge Current (A)	100
Dimensions W*H*D (mm)	460 × 395 × 132
Net Weight (kg)	13.5
Communication Interface	USB/CAN/RS485
Relative Humidity	5% to 95% (No Condensation)
Altitude (m)	<2000
Operating Temperature (°C)	0~50
Storage Temperature (°C)	-15~60
Noise (dB)	<60
Certification	CE, IEC62109-1, IEC62109-2