

Split-phase Off-grid Inverter

North America



Isolated via Transformer Remote Monitoring High Performance Control Chip

- Rated power 6kW/12kW, with DSP control
- Pure sine wave AC output
- Built-in MPPT solar charge controller
- Low frequency with transformer
- Configurable AC/solar input priority via LCD setting
- Compatible to grid voltage or generator power
- WiFi/GPRS remote monitoring
- RS485/CAN communication for BMS



Model	LN-MF6KL-SPI
Battery Voltage (V)	48
Rated Power (kW)	6
Monitoring Option	WiFi/GPRS
Output Voltage (V)	104-110-115-120/220-230-240
Surge Power (20ms) (kW)	18
Capable Of Starting Electric Motor	3HP
Waveform	Pure Sine Wave
Output Frequency (Hz)	50/60 ± 0.1
Max. PV Charge Current (A)	80
Max. PV Array Power (kW)	5
Operating Voltage MPPT Range (V)	60-245
AC Input Voltage (V)	250
Frequency Range (Hz)	50/60 (Auto sensing)
Overcharger Protection	AGM: 60V; FLD: 62V; USE: CE+4.0V
Max. Charge Current (A)	60
Max. Charge Current (PV+AC) (A)	140
Dimensions W*H*D (mm)	360 × 540 × 218 (14.17 × 21.26 × 8.58 in)
Net Weight (kg)	45 (99.21 lbs)
Typical Transfer Time (ms)	10
Communication Interface	USB/CAN/RS485
Operating Temperature (°C)	0-55 (0-131°F)
Storage Temperature (°C)	-20-60 (-4°F-140°F)