

NX1512MPPT

MPPT Off-Grid Solar Inverter (1.5KW)

Compact pure sine wave inverter with a high-efficiency MPPT charger — runs your loads even without a battery.



The NX1512MPPT is a compact off-grid solar inverter with a built-in high-efficiency MPPT charge controller, delivering 1500W of clean pure-sine-wave power from a 12V battery bank. With up to 99.9% MPPT tracking, 100A solar charging, and the ability to power loads directly from solar without a battery connected, it is an efficient, flexible choice for homes, shops, and off-grid installations.

KEY FEATURES

- ✓ **Pure Sine Wave Output** — Clean, stable power safe for sensitive electronics and motors.
- ✓ **Up to 99.9% MPPT** — Near-perfect solar tracking harvests maximum panel energy.
- ✓ **Power Without Battery** — Runs loads directly from solar even with no battery connected.
- ✓ **100A Solar Charging** — Fast, efficient battery charging from a 12V solar array.
- ✓ **Lithium & WiFi Ready** — RS485 / WiFi monitoring with lithium-battery communication.

APPLICATIONS

- Homes & apartments
- Shops & offices
- Off-grid sites
- Farms & pumps
- Backup power
- Solar systems

TECHNICAL SPECIFICATIONS

Model	NX1512MPPT	Type	Off-Grid Solar Inverter
Rated Output	1500W (1.5KW)	Waveform	Pure Sine Wave
Battery Voltage	12V DC	AC Output	220 / 230 / 240 VAC
Frequency	50 / 60 Hz	Efficiency (DC-AC)	94%
MPPT Efficiency	Up to 99.9%	Max PV Power	800W
PV Voltage Range	17–115 VDC	Max Charge Current	100A
Load w/o Battery	Supported	Communication	RS485 / WiFi / Lithium
Protection	Overload / Temp / Short	Dimensions	320 × 227 × 100 mm
Net Weight	3.5 kg	Warranty	12 Months

CERTIFICATIONS

CE

FCC

RoHS