

NX2212MPPT

MPPT Off-Grid Solar Inverter (2200VA)

Pure sine wave off-grid inverter with a built-in 80A MPPT charger — smart power priority across PV, battery, and grid.



The NX2212MPPT is a high-frequency off-grid solar inverter with a built-in 80A MPPT charge controller, delivering 2200VA / 1800W of clean pure-sine-wave power from a 12V battery bank. Programmable supply priority intelligently draws from PV, battery, or grid, while a wide 55–450VDC PV input, lithium-battery BMS communication, and up to 98% efficiency make it ideal for homes, shops, and off-grid sites.

KEY FEATURES

- ✓ **Pure Sine Wave Output** — Clean, stable power safe for sensitive electronics and motors.
- ✓ **Built-in 80A MPPT** — Harvests maximum solar energy at up to 98% conversion efficiency.
- ✓ **PV / Battery / Grid Priority** — Programmable source order optimises energy cost and backup.
- ✓ **Wide 55–450VDC PV Input** — Flexible panel-string sizing across varied array layouts.
- ✓ **Lithium BMS Ready** — Communicates with lithium batteries for safe, optimised charging.

APPLICATIONS

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

TECHNICAL SPECIFICATIONS

Model	NX2212MPPT	Type	Off-Grid Solar Inverter
Rated Power	2200VA / 1800W	Waveform	Pure Sine Wave
Battery Voltage	12V DC	AC Output	230VAC ±5%
AC Input	230VAC (90–280V range)	Frequency	50 / 60Hz (auto)
Surge Power	4400VA	MPPT Charger	80A (built-in)
Peak Efficiency	98%	PV Input Range	55–450VDC
AC Charge Current	60A	Max PV Power	2000W
Communication	RS232 / RS485 (opt. WiFi)	Protection	OL / Temp / Short
Dimensions	405 × 286 × 98 mm	Net Weight	4.5 kg
Operating Temp.	-10°C ~ 55°C	Warranty	12 Months

CERTIFICATIONS

CE

FCC

RoHS