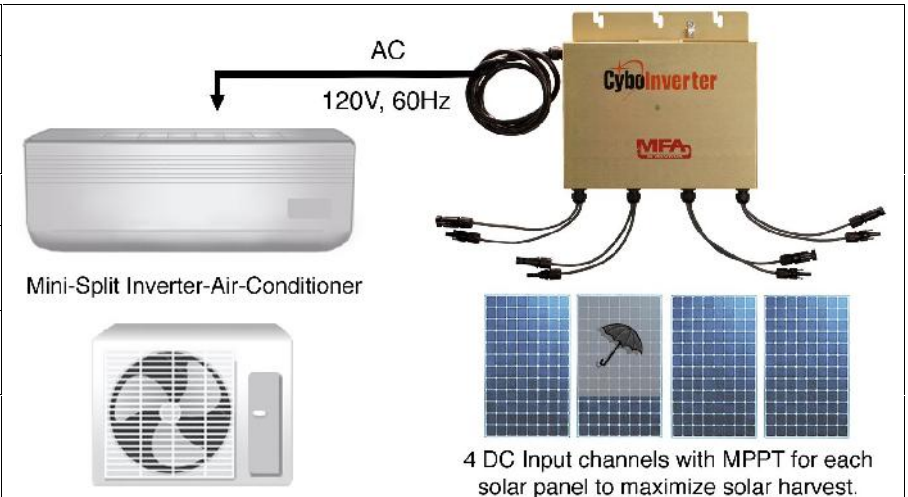
The World's First Battery-less Off-Grid Solar Inverter for Air Conditioners

CyboInverter

- For Inverter-Air-Conditioners (IAC), Requiring no Batteries
- Supports 9000 to 12000 Btu IAC
- Pure Sinewave AC Output
- Four DC Input Channels
- MPPT for Each Solar Panel
- Over Discharge Protection for 48V Lead-Acid Batteries
- Solar or Battery Auto-Detection
- High Efficiency and Long Life

Each CyboInverter (CI-Mini-1000Nx) can connect to 4 solar panels or a 48V battery, and produce up to 1150W, 120V, 60Hz AC to run Inverter-Air-Conditioners (IAC). Installation is super easy.

Q: What is your special offer?
A: We enable you to run air conditioners with solar panels only. No battery is required.
Q: Really, no batteries? How?
A: Off-Grid CyboInverters can take power from solar panels directly.
Q: That is great. If needed, can I have batteries to run A/C at night?
A: Yes, You may use a 48V battery to connect to 2 input channels of the CyboInverter.



Product: CyboInverter - 4 Channel 1.2KW Off-Grid Solar Power Mini-Inverter
CI-Mini-1000Nx Standalone Off-Grid Model for 115V-120V, 60Hz IAC Units

Never connect the Off-Grid CyboInverter to the AC grid. Doing so will damage the unit and void the warranty. Check voltage and current specs of A/C Unit before attaching.

Made in U.S.A.

Technical Data of CI-Mini-1000Nx (Rev 5.1 – June 2017)

DC Input (per Channel)	60 / 72 Cell Panel	Battery*
Recommended Input Power	250W – 330W	48V, 50AH – 300AH
Operating Input DC Voltage Range	15V – 58V	47V – 58V
Peak Power Performance Range	30V – 58V	48V – 58V
Maximum Input DC Voltage / Current	58V / 9A	58V / 9A
Maximum Input Power	300W	300W
Minimum Starting Voltage	20V	47V
AC Output	Data	
Rated Output Power / Peak Output Power	960W / 1150W	
Startup Surge Power for 12 Seconds	1500W (Max Surge DC Power = 400W per Channel)	
Nominal Output Current (RMS)	8A (RMS – Root Mean Square)	
Nominal Output Voltage / Range	120V (90V – 132V, Single-Phase)	
Nominal Frequency / Range	60Hz (59.5Hz – 60.5Hz)	
Power Factor	>0.95	
Efficiency	Data	
Peak Efficiency / MPPT Tracking	96% (99%)	
Mechanical Data	SI	U.S.
Ambient Temperature Range	-40°C to +65°C	-40°F to +149°F
Internal Operating Temperature Range	-40°C to +88°C	-40°F to +190°F
Dimensions w/o mounting bracket (L x H x W)	32cm x 24cm x 5.8cm	12.5” x 9.5” x 2.3”
Weight	6.5 kg	14.25 lbs
Cooling / Enclosure	Natural Convection, No Fan / Potted	
DC / AC Wire and Connectors	1 and 2 Feet DC Wire, MC-4 Connectors / 4 Feet AC wire	
Features and Compliance	Data	
Safety and EMC Compliance	UL1741 and IEEE1547 (E113426), CSA 107.1, FCC Part 15 Class A. NEC 690.12 Rapid Shutdown of PV Systems.	
Compatibility	Most 60-Cell and 72-Cell PV Solar Panels	
DC Ground Fault Detector Interrupter (GFDI)	Built-In	
Standard Warranty	3 Years (Extended Warranty Available)	
Enclosure Environmental Rating / Safety	Outdoor – NEMA 6 / Transformer Isolated Circuits	
Built-in Battery Over Discharge Protection	Low Voltage Disconnect (LVD) on Battery Channels.	

* Supports 48V Lead-Acid Battery or 20V-55V Lithium Battery Packs. No batteries are required to run Inverter-Air-Conditioners (IAC) during the day when there is sufficient sunlight.