

The World's First AC Assisted Off-Grid Solar Inverter for "all" AC Loads





- 2020 Top Solar Inverter by Solar Power World Magazine.
- Can run AC loads with solar power only, grid power only, or combined power.
- Can start heavy loads with assisted AC power and run the loads with only solar power.
- · Require no batteries.
- Avoid all the headaches of an ongrid solar system.

Each CyboInverter (CIM-1200Na) can connect to 4 solar panels and produce up to 1250W, 120V, 60Hz AC. With assisted AC power from the grid, it can run AC loads including: air-conditioners, refrigerators, chillers, heaters, EV chargers, pumps, motors, appliances, lights, fans, TV, computers, etc

O: What is your special offer?

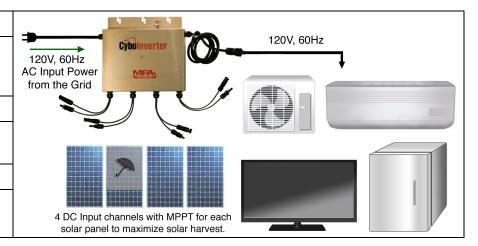
A: We enable you to start and run all kinds of AC loads in off-grid mode. No battery is required.

Q: Really, no batteries? How?

A: The assisted AC from the grid can provide the needed power.

Q: Where can I use this?

A: Any place where on-grid solar is no longer welcomed.



Product: CyboInverter - 4 Channel 1.25KW AC Assisted Off-Grid Solar Inverter CIM-1200Na Standalone Off-Grid Model for 110V-120V, 60Hz AC Loads.

Never connect the Output of the Off-Grid Cybolnverter to the grid. Doing so will damage the unit and void the warranty. Check Input AC Voltage before connecting.

Made in U.S.A.





Technical Data of CIM-1200Na (Rev 6.6 – January 2024)

| DC Input (per Channel) | 60/66 Cell Panel | 72 Cell Panel* | Battery** |
|---|--|--------------------------------|---------------|
| Supported Input Power | 250W – 400W | 300W – 450W | 48V, 50-300AH |
| Operating Input DC Voltage Range | 18V – 60V | 18V – 60V | 47V – 60V |
| Peak Power Performance Range | 30V - 60V | 30V - 60V | 48V – 60V |
| Maximum Input DC Voltage / Current | 60V / 11.5A | 60V / 11.5A | 60V / 11.5A |
| Maximum Input Power | 330W | 330W | 330W |
| Minimum Starting Voltage | 20V | 20V | 47V |
| AC Input | Data | | |
| AC Input for Assisted AC Power | Single-phase 120V, 60Hz AC from Grid or AC Generator | | |
| AC Output | | | |
| Rated Output Power / Peak Output Power | 960W / 1250W | | |
| Maximum Combined Output Power | 2500W for the Na Model or its Twin Pack Based System | | |
| Nominal Output Current (RMS) | 8A (RMS – Root Mean Square) | | |
| Nominal Output Voltage / Range | 120V (102V – 132V, Single-Phase) | | |
| Nominal Frequency / Range | 60Hz (57Hz – 62Hz) | | |
| Efficiency | Data | | |
| Peak Efficiency / MPPT Tracking | 96% (99%) | | |
| Mechanical Data | SI | | U.S. |
| Ambient Temperature Range | -40°C to +65°C | -40°C to +65°C -40°F to +149°F | |
| Internal Operating Temperature Range | -40°C to +88°C | -40°C to +88°C | |
| Dimensions w/o mounting bracket (L x H x W) | 32cm x 24cm x 5.86 | cm 12.5" x | 9.5" x 2.3" |
| Weight | 6.5 kg 14.25 lb | | os |
| Cooling / Enclosure | Natural Convection, No Fan / Potted | | |
| DC Wire / AC Wire | 1-2 Ft DC Wires / 8 Ft AC Wires (THHN), Copper, 30A | | |
| Features and Compliance | Data | | |
| Safety and EMC Compliance | UL1741 and IEEE1547 (E113426), CSA 107.1, FCC Part 15 Class A. | | |
| Rapid Shutdown | Complies with NEC 2014/2017 690.12. | | |
| DC Ground Fault Detector Interrupter (GFDI) | Built-In (MET) | | |
| Standard Warranty | 3 Years (Extended Warranty Available) | | |
| Enclosure Environmental Rating / Safety | Outdoor – NEMA 6 / Transformer Isolated Circuits | | |

^{*}Do not use 72-cell solar panels in areas where temperature can get below -10 degrees F (-23 degrees C).

^{**}Supports 48V Lead-Acid Battery or 20V-55V Lithium Battery Packs. However, no batteries are required.