

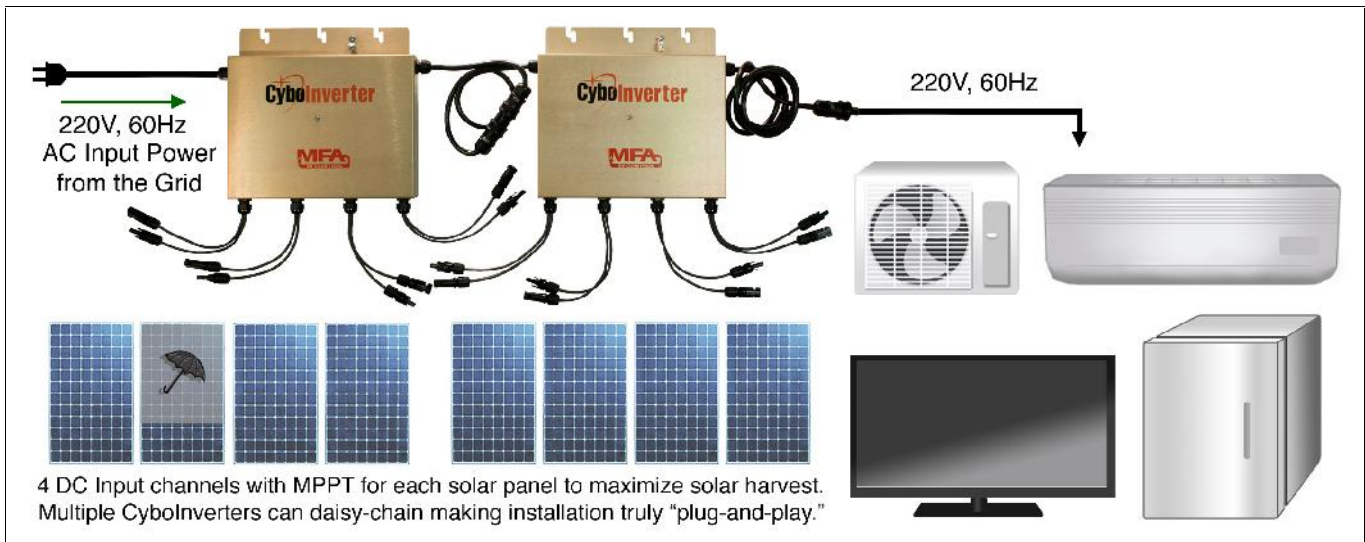


The World's First AC Assisted Off-Grid Solar Inverter – Twin Pack



- 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
- Pure Sinewave AC output
- Require no batteries
- MPPT for each solar panel
- Avoid all the headaches of an on-grid solar system

The Master and Slave CyboInverters can daisy-chain producing up to 2500W, 220V, 60Hz AC. With assisted AC power from the grid, they can run AC loads including: air-conditioners, refrigerators, chillers, heaters, EV chargers, pumps, motors, appliances, lights, fans, TV, computers, etc.




Product: AC Assisted Off-Grid CyboInverter Twin Pack (8 Input Channels)

Part No: CIM-1200W1a/W2a, Daisy-Chain Off-Grid Model, 220V, 60Hz AC

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

Technical Data of CIM-1200W1a and W2a (Rev 6.1 – July 2019)

| DC Input (per Channel) | 60 / 72 Cell Panel | Battery* |
|---|--|---|
| Supported Input Power | 250W – 380W | 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 / 10.5A | 58V / 10.5A |
| Maximum Input Power | 330W | 330W |
| Minimum Starting Voltage | 20V | 47V |
| AC Input (Master Unit Only) | Data | |
| AC Input for Assisted AC Power | 220V, 60Hz AC from the Grid or an AC Generator | |
| AC Output (per Inverter) | Data | |
| Rated Output Power / Peak Output Power | 960W / 1250W | |
| Maximum Combined Output Power | 3500W for a Wa Model or its Twin Pack Based System | |
| Nominal Output Current (RMS) | 4.36A (RMS – Root Mean Square) | |
| Nominal Output Voltage / Range | 220V (187V – 242V, 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°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 Wire / AC Wire | 1-2 Ft DC Wires / 12 Ft AC Wires (THHN), Copper, 30A | |
| Features and Compliance | Data | |
| Safety and EMC Compliance | UL1741 and IEEE1547 (E113426), FCC Part 15 Class A. | |
| Rapid Shutdown | Complies with NEC 2014/2017 690.12. |  |
| 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 | |

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

Made in U.S.A.