

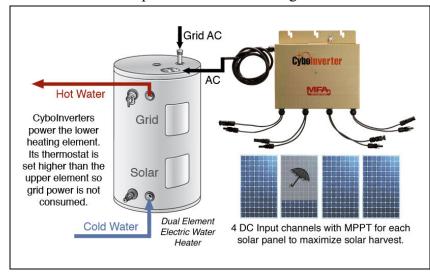
The World's First Off-Grid Solar Mini-Inverter for Water Heaters





- 2021 Top Solar Inverter by Solar Power World Magazine.
- Specially Designed to Power Electric Water Heaters.
- Reduce Electricity Bills, Avoid High Tier Rates, and Quick ROI.
- Four DC Input Channels with MPPT for each Channel.
- High Efficiency and Long Life.
- Much Easier to Install than a Thermal Solar System.

Each CyboInverter (CIM-1200H) can connect to 4 solar panels and produce up to 1250W pure Sinewave AC to power the lower heating element of a dual-element water heater with easy wiring.



Solar Heating for Single Element Water Heaters, Air Heaters.





Solar Cooking with Hot Plates or Electric Cookware.

Solar Heating for Base Board Heaters, Area Heaters, Floor Heating Cables, Mats, and Carpet.



Product: 4 Channel 1.25KW Off-Grid CyboInverter for Electric Water Heaters Part No: CIM-1200H Standalone Off-Grid Model, 100V-240V, 50/60Hz AC

Never connect the Off-Grid Cybolnverter to the AC grid. Doing so will damage the unit and void the warranty. Use this inverter for electric heating elements ONLY.

Made in U.S.A.





Technical Data of CIM-1200H [Rev 6.6 – January 2024]

| DC Input (per Channel) | 60-66 Cell / 120 Half-Cell | 72 Cell Panel* |
|---|---|---------------------|
| Supported Solar Panels | 250W – 400W | 300W - 450W |
| Operating Input DC Voltage Range | 18V – 60V | 18V – 60V |
| Peak Power Performance Range | 30V - 60V | 30V - 60V |
| Maximum Input DC Voltage / Current | 60V / 11.5A | 60V / 11.5A |
| Maximum Input Power | 330W | 330W |
| Minimum Starting Voltage | 20V | 20V |
| AC Output | Data | |
| Rated Output Power / Peak Output Power | 960W / 1250W | |
| Maximum Output Current (RMS) | 10.5A (RMS – Root Mean Square) | |
| Nominal Operating AC Output Voltage / Range | 100V – 240V (10V – 264V, Single-Phase) | |
| Nominal Frequency / Range | 60Hz (59.5Hz – 60.5Hz) or 50Hz (49.5Hz – 50.5Hz) | |
| 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 Feet DC Wires / 4 Feet AC Wires (THHN), Copper | |
| 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 | |

CyboInverter H Model is designed to run 240V, 1500W-4500W heating elements of dual- or single-element electric water heaters, area heaters, hot plates, etc. To power lights, fans, TV, PC, battery chargers, EV chargers, Mini-Split IAC, and appliances, use standalone or AC assisted off-grid CyboInverters.

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