

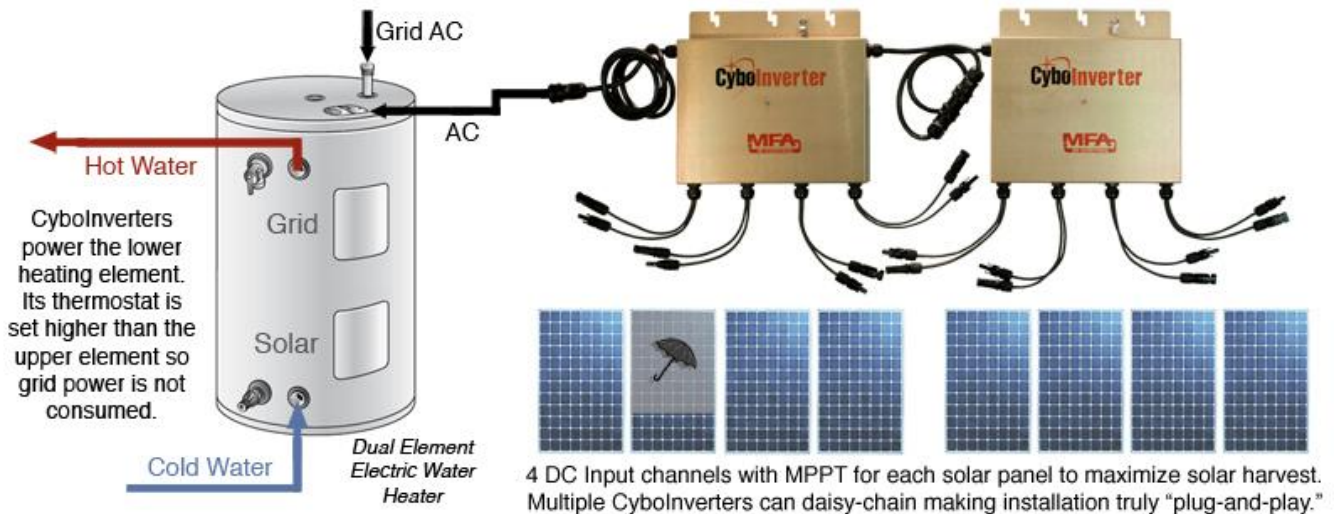


## Off-Grid Solar Mini-Inverter for PV Heating – Twin Pack



- Specially Designed for Powering Dual-Element Electric Water Heaters and Heating Elements.
- Reduces Electricity Bills, Avoids High Tier Rates, and Quick ROI .
- Total 8 DC Input Channels for 8 Solar Panels with MPPT.
- Easy Installation and Great Price.
- High Efficiency and Long Life.
- Much Easier to Install than Thermal Solar Water Heaters.

One Master (CI-Mini-1200H1) & one Slave (CI-Mini-1200H2) off-grid CyboInverter can daisy-chain, and produce up to 2500W AC to power 2000W-3000W heating elements or resistive loads.




**Product: Off-Grid CyboInverter H Model Twin Pack (Total 8 Input Channels)**

**Part No: CI-Mini-1200H1/H2, Daisy-Chained Off-Grid Model, 100V-240V AC**

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

## Technical Data of CI-Mini-1200H1 / H2 [Rev 6.0 – July 2019]

DC Input (per Channel)	60 Cell Panel	72 Cell Panel
Supported Input Power	250W – 330W	250W – 380W
Operating Input DC Voltage Range	15V – 58V	20V – 58V
Peak Power Performance Range	30V – 58V	30V – 58V
Maximum Input DC Voltage / Current	58V / 10.5A	58V / 10.5A
Maximum Input Power	330W	330W
Minimum Starting Voltage	20V	20V
<b>AC Output (per Inverter)</b>	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	50Hz / 60Hz (49.5Hz – 60.5Hz)	
<b>Efficiency</b>	Data	
Peak Efficiency / MPPT Tracking	96% (99%)	
<b>Mechanical Data</b>	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 / 12 Feet AC Wires (THHN), Copper	
<b>Features and Compliance</b>	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	
Standard Warranty	3 Years (Extended Warranty Available)	
Enclosure Environmental Rating / Safety	Outdoor – NEMA 6 / Transformer Isolated Circuits	

The CyboInverter H Model Twin Pack should be used for 2000W-3000W heating elements of dual- or single-element electric water heaters, area heaters, hot plates, etc. To power lights, fans, TV, PC, battery chargers, food processors, refrigerators, small appliances, etc., please use regular off-grid CyboInverters.

**Made in U.S.A.**