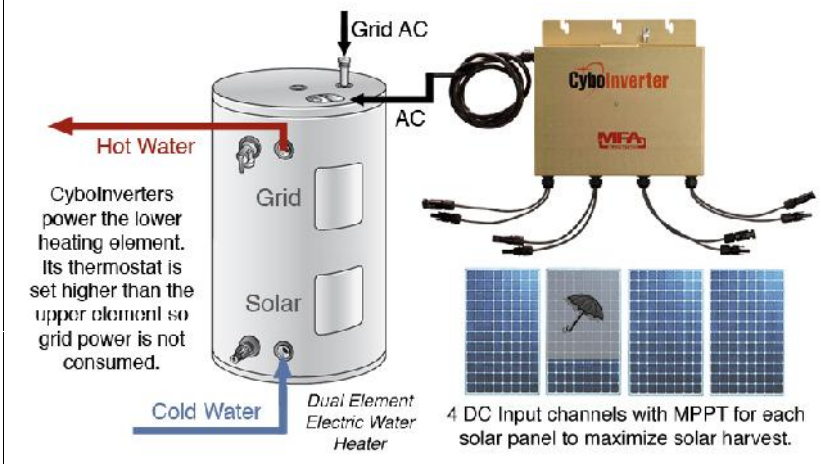
The World's First Off-Grid Solar Mini-Inverter for Water Heaters

CyboInverter

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

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



Solar Heating for Single Element Water Heaters, Air Heaters.	
Solar Cooking with Hot Plates, Cookware, etc.	
Solar Heating for Base Board Heaters, Area Heaters, etc.	
Solar Heating for Electric Floor Heating Cables, Mats, and Carpet.	

Product: 4 Channel 1.2KW Off-Grid CyboInverter for Electric Water Heaters
Part No: CI-Mini-1200H Standalone Off-Grid Model, 100V-240V, 50/60Hz 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.

Made in U.S.A.

Technical Data of CI-Mini-1200H (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
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	50Hz / 60Hz (49.5Hz – 60.5Hz)	
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	
Standard Warranty	3 Years (Extended Warranty Available)	
Enclosure Environmental Rating / Safety	Outdoor – NEMA 6 / Transformer Isolated Circuits	

The CyboInverter H Model should be used for 1000W-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.

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