

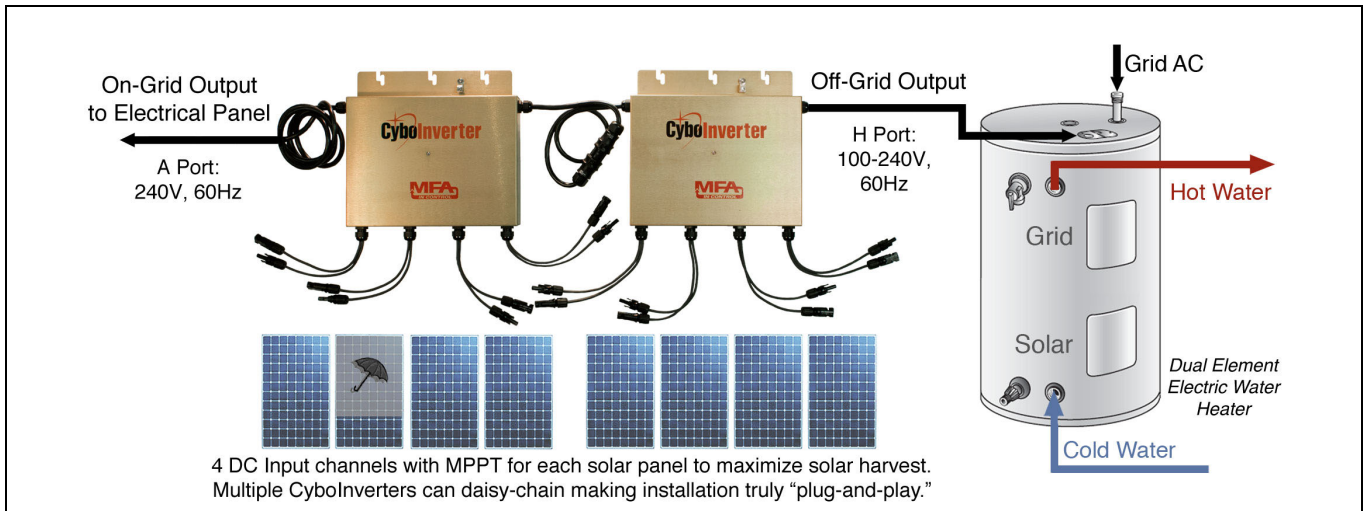


On/Off-Grid Mini-Inverter for Grid AC or Heating – Twin Pack



- On-Grid or Off-Grid Mode
- Specially Designed for Powering Electric Water Heaters or Heating Elements in Off-Grid Mode
- Total 8 DC Input Channels for 8 Solar Panels with MPPT
- Heat Water or Send Power to the Grid Based on Demand
- Outdoor or Indoor Mounting
- High Efficiency and Long Life
- Much Easier to Install than Thermal Solar Water Heaters


One Master (CIM-1200A/H1) & one Slave (CIM-1200A/H2) On/Off-Grid CyboInverter can daisy-chain, and produce up to 2500W, 240V, 60Hz AC to the grid through its A Port in on-grid mode, or power 2500W-4500W heating elements or resistive loads through its H Output Port in off-grid mode.



Product: On/Off-Grid CyboInverter A/H Twin Pack (Total 8 Input Channels)
PN: CIM-1200A/H1, A/H2, For On-Grid AC or Off-Grid Electric Water Heaters

Made in U.S.A.

Technical Data of CIM-1200A/H1, A/H2 (Rev 6.6 – Jan 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 Output (per Inverter)	On-Grid, A Port	Off-Grid, H Port	
Rated Output Power / Peak Output Power	960W / 1250W	960W / 1250W	
Nominal Output Current (RMS)	4A	4A – 8A	
Maximum Output Current (RMS)	6A	10.5A	
Nominal Output Voltage / Range	240V (211V – 264V)	100V – 240V (10V – 264V)	
Nominal Frequency / Range	60Hz (59.3 – 60.5) Hz	60Hz (59.5 – 60.5) Hz	
Power Factor / Harmonic Distortion	>0.95 (THD < 4%, 2 nd Harmonic < 1%)		
Compatible Water Heaters or Heating Elements	2.5KW – 4.5KW, 240V Heating Element for Twin Pack		
Efficiency	Data		
Peak Efficiency / Solar 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 / 18 Feet AC Wires (THHN), Copper		
Compliance and Features	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 (IP67) / Transformer Isolated Circuits		

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