

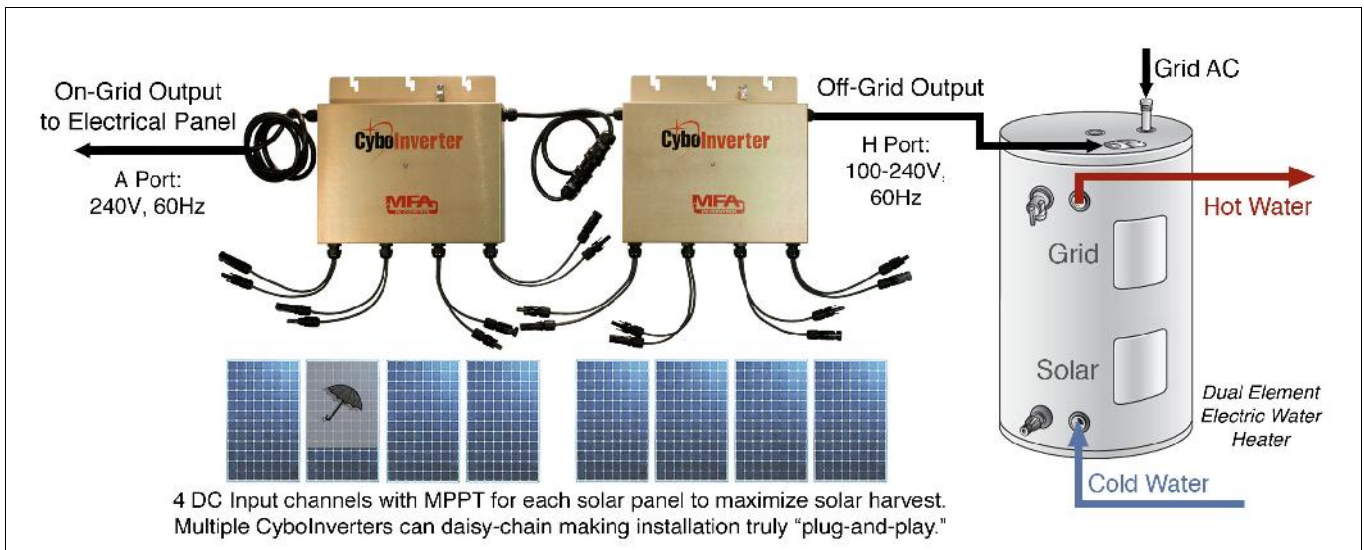


On/Off-Grid Mini-Inverter for Grid AC or Heating – Twin Pack




- 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
- Solar or Battery Input for each Channel
- 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 2300W, 240V, 60Hz AC to the grid through its A Port in on-grid mode, or power 2000W-4000W 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

Technical Data of CIM-1200A/H1, A/H2 (Rev 5.0 - April 2017)

DC Input (per Channel)	60/72 Cell Panel	Battery*
Recommended Input Power	250W – 330W	48V, 100AH
Operating Input DC Voltage Range	15V – 58V	47V – 58V
Peak Power Performance Range	30V – 58V	48V – 58V
Maximum Input DC Voltage / Current	58V / 9A	58V / 9A
Maximum Input Power	300W	300W
Minimum Starting Voltage	20V	47V
Compatible Solar Panels	Most 60-Cell and 72-Cell PV Solar Panels	
Compatible Batteries	48V Lead-Acid Deep-Cycle AGM or Lithium-Ion Pack	
AC Output (per Inverter)	On-Grid, A Port	Off-Grid, H Port
Rated Output Power / Peak Output Power	960W / 1150W	960W / 1150W
Nominal Output Current (RMS)	4A	4A – 8A
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	2KW – 5KW, 240V Heating Elements for the 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 Connectors / AC Connectors	MC-4 or Compatible / Wieland RST 3-Conductor	
Compliance and Features	Data	
Safety and EMC Compliance	UL1741 and IEEE1547 (E113426), CSA 107.1, FCC Part 15 Class A	
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	

Made in U.S.A.