

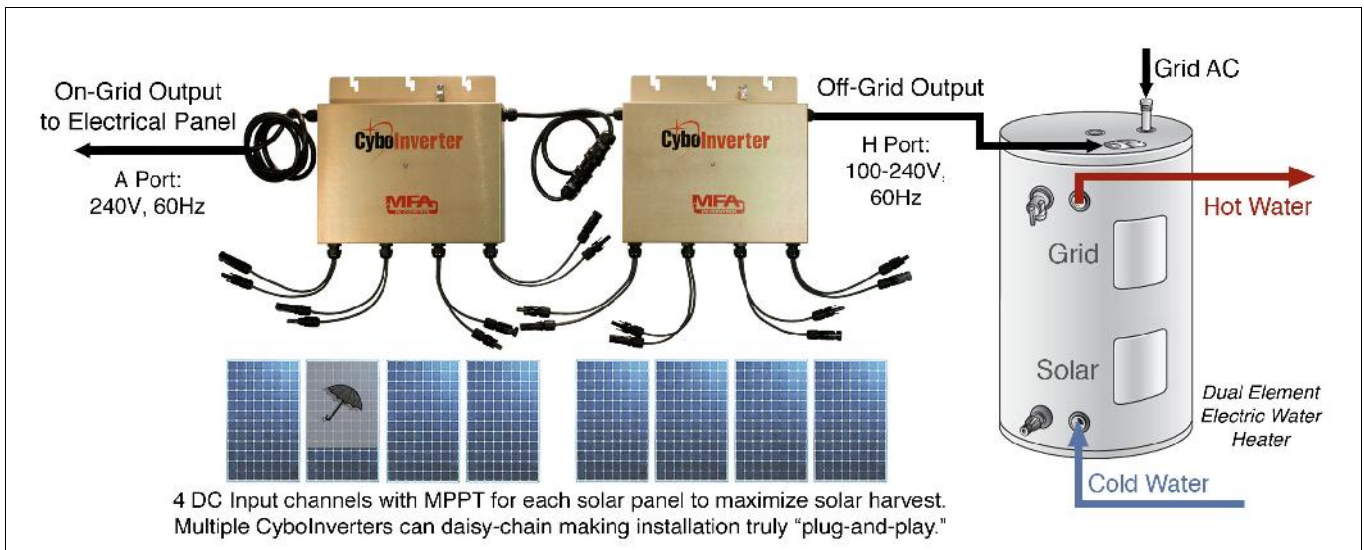


On/Off-Grid Mini-Inverter for Grid AC or Heating – Twin Pack



- 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 5.1 - June 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. NEC 690.12 Rapid Shutdown of PV Systems.	
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.