

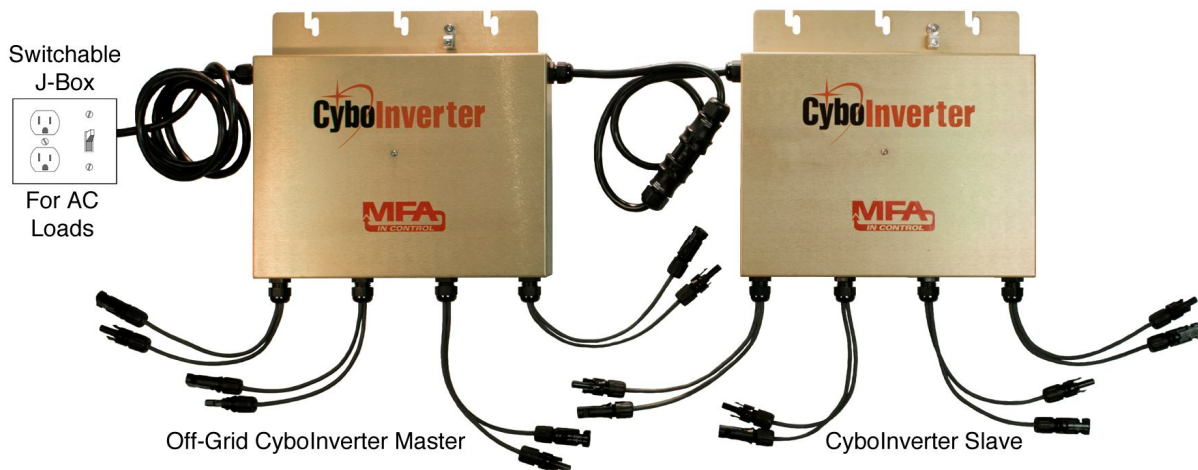


## The World's First Off-Grid Solar Power Mini-Inverter Twin Pack



- Pure Sinewave AC Output
- Smart with AC Load Protection
- Total of 8 DC Input Channels
- MPPT for Each Solar Panel
- Battery Over Discharge Protection
- Solar or Battery Auto-Detection
- High Efficiency and Long Life
- For Lights, Fans, TV, PC, Battery Chargers, Refrigerators, Food Processors, Small Appliances, etc.

One Master (CI-Mini-1000Y1) & one Slave (CI-Mini-1000Y2) off-grid CyboInverter can daisy-chain, and produce up to 2300W, 240V, 60Hz AC to power heavier AC loads. All input channels can connect to solar panels or batteries. Each 36V battery set can connect to 1, 2, 3, or 4 input channels in parallel.



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

**Part No: CI-Mini-1000Y1 / Y2, Daisy-Chain Off-Grid Model, 240V, 60Hz AC**

**Never connect the Off-Grid CyboInverter to the AC grid. Doing so will damage the unit and void the warranty. Check motor voltage and current specs before attaching.**

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

## Technical Data of CI-Mini-1000Y1 and Y2 [Rev 2.3 – April 2015]

<b>DC Input (per Channel)</b>	60 / 72 Cell Panel	Battery
Recommended Input Power	220W – 320W	36V, 50AH – 300AH
Operating Input DC Voltage Range	15V – 48V	35V – 45V
Peak Power Performance Range	30V – 48V	36V – 48V
Maximum Input DC Voltage / Current	48V / 9A	48V / 9A
Maximum Input Power	300W	300W
Minimum Starting Voltage	20V	35V
<b>AC Output (per Inverter)</b>	Data	
Rated Output Power / Peak Output Power	960W / 1150W	
Startup Surge Power for 12 Seconds	1500W (Max Surge DC Power = 400W per Channel)	
Nominal Output Current (RMS)	8A (RMS – Root Mean Square)	
Nominal Output Voltage / Range	120V (108V – 132V, Single-Phase)	
Nominal Frequency / Range	60Hz (59.5Hz – 60.5Hz)	
Power Factor	>0.95	
<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 / AC Wire and Connectors	MC-4 with 1' DC Wire, Wieland RST with 3' AC Wire	
<b>Features and Compliance</b>	Data	
Safety and EMC Compliance	UL1741 and IEEE1547 (E113426), CSA 107.1, FCC Part 15 Class A	
Compatibility	60-Cell and 72-Cell PV Solar Panels	
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	
Built-in Battery Over Discharge Protection	Low Voltage Disconnect (LVD) on Battery Channels.	



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