

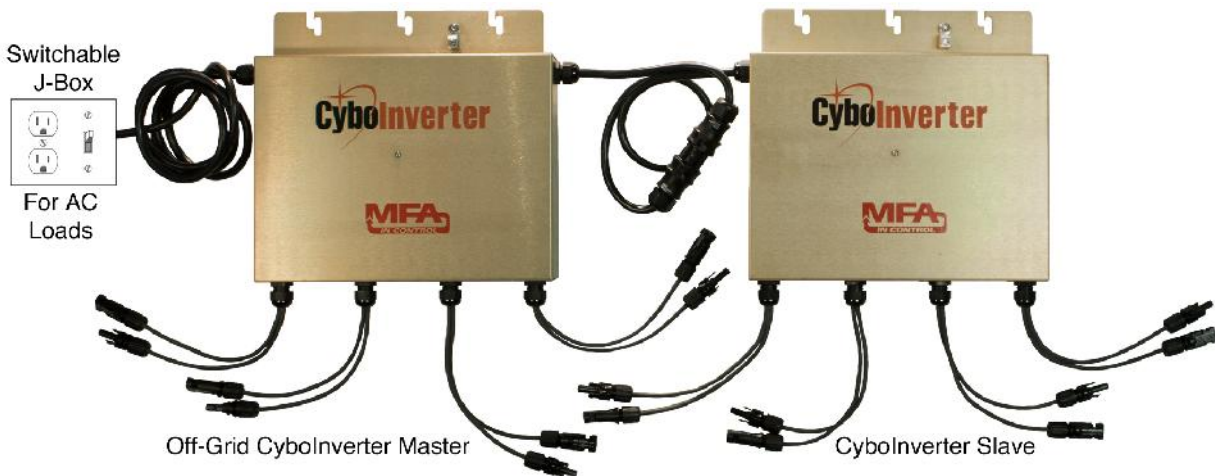


## The World's First Off-Grid Solar Power Mini-Inverter Twin Pack



- Pure Sinewave AC Output
- Smart with AC Load Protection
- Total of 8 DC Input Channels
- MPPT for Each Solar Panel
- Over Discharge Protection for 48V Lead-Acid Batteries
- 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-1000Z1) & Slave (CI-Mini-1000Z2) off-grid CyboInverter can daisy-chain, and produce up to 2500W, 240V, 50Hz AC to power heavier AC loads. All input channels can connect to solar panels or batteries. Each 48V 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-1000Z1 / Z2, Daisy-Chained Off-Grid Model, 240V, 50Hz 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-1000Z1 and Z2 (Rev 6.0 – July 2019)

DC Input (per Channel)	60 / 72 Cell Panel	Battery*
Supported Input Power	250W – 380W	48V, 50AH – 300AH
Operating Input DC Voltage Range	15V – 58V	47V – 58V
Peak Power Performance Range	30V – 58V	48V – 58V
Maximum Input DC Voltage / Current	58V / 10.5A	58V / 10.5A
Maximum Input Power	330W	330W
Minimum Starting Voltage	20V	47V
AC Output (per Inverter)	Data	
Rated Output Power / Peak Output Power	960W / 1250W	
Startup Surge Power for 12 Seconds	1500W (Max Surge DC Power = 400W per Channel)	
Nominal Output Current (RMS)	4A (RMS – Root Mean Square)	
Nominal Output Voltage / Range	240V (216V – 264V, Single-Phase)	
Nominal Frequency / Range	50Hz (49.5Hz – 50.5Hz)	
Power Factor	>0.95	
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 / 12 Feet AC Wires (THHN), Copper	
Features and Compliance	Data	
Safety and EMC Compliance	UL1741 and IEEE1547 (E113426), 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	
Built-in Battery Over Discharge Protection	Low Voltage Disconnect (LVD) on Battery Channels.	

\* Supports 48V Lead-Acid Battery or Lithium Battery Packs. 36V Battery Option Discontinued.