

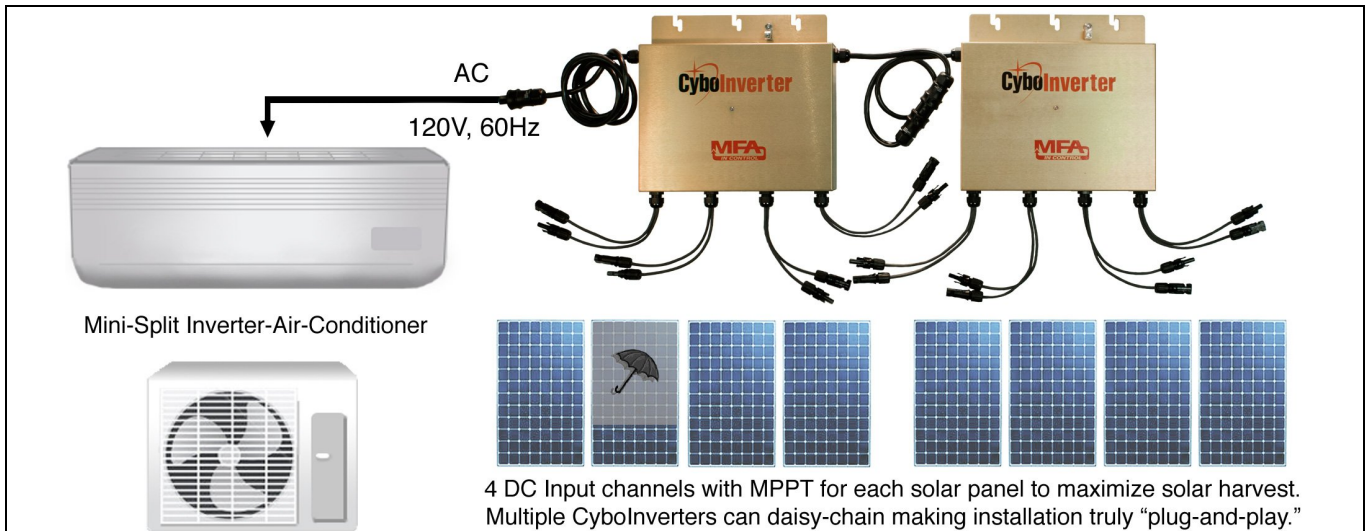


Off-Grid Microinverter with or without Batteries for Light or Heavy AC Loads



- Pure Sinewave AC Output
- For Lights, Fans, TV, PC, Battery Chargers, Refrigerators, Food Processors, Small Appliances, etc.
- 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

One Master (CIM-1000N1) & Slave (CIM-1000N2) off-grid CyboInverter can daisy-chain, and produce up to 2500W, 120V, 60Hz AC to power 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.




Part No: CI-Mini-1000N1 / N2, Daisy-Chained Off-Grid Model, 120V, 60Hz AC

Never connect the Off-Grid CyboInverter to the AC grid. Doing so will damage the unit and void the warranty. Check voltage and current specs of A/C Unit before attaching.

Made in U.S.A.

Technical Data of CI-Mini-1000N1 and N2 (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
Compatible Batteries	48V Lead-Acid Deep-Cycle AGM or Lithium-Ion Pack		
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)	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		
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), 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 / Transformer Isolated Circuits		
Built-in Battery Over Discharge Protection	Low Voltage Disconnect (LVD) on Battery Channels.		

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