

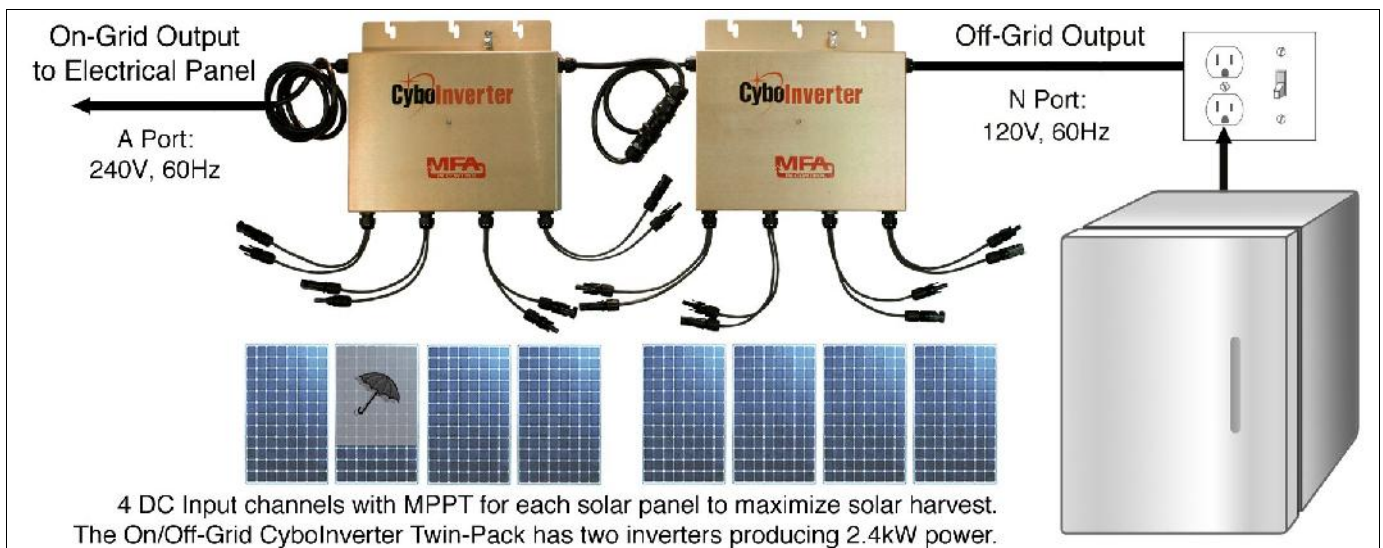


On/Off-Grid Solar & Hybrid Power Mini-Inverter Twin Pack




- On-Grid or Off-Grid Mode
- Specially Designed to Provide Backup Power for Critical Loads When the Grid is Down
- Total 8 DC Input Channels with Solar or Battery Input
- MPPT for Each Solar Panel
- Pure Sinewave AC Output
- Solar or Battery Auto-Detection
- Over Discharge Protection for 48V Lead-Acid Batteries
- Outdoor or Indoor Mounting

One Master (CIM-1200A/N1) & one Slave (CIM-1200A/N2) 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 run 120V, 60Hz AC loads through its N Output Port in off-grid mode.



Product: On/Off-Grid CyboInverter A/N Twin Pack (Total 8 Input Channels)
Part No: CIM-1200A/N1, A/N2, A Port: 240V, 60Hz, N Output Port: 120V, 60Hz

Technical Data of CIM-1200A/N1, A/N2 (Rev 5.1 – June 2017)

DC Input (per Channel)	60/72 Cell Panel	Battery	DC Wind Gen
Recommended Input Power	250W – 330W	48V, 100AH	200W – 300W
Operating Input DC Voltage Range	15V – 58V	47V – 58V	20V – 45V
Peak Power Performance Range	30V – 58V	48V – 58V	20V – 40V
Maximum Input DC Voltage / Current	58V / 9A	58V / 9A	48V / 9A
Maximum Input Power	300W	300W	300W
Minimum Starting Voltage	20V	47V	20V
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, N Port	
Rated Output Power / Peak Output Power	960W / 1150W	960W / 1150W	
Nominal Output Current (RMS)	4A	8A	
Nominal Output Voltage / Range	240V (211V – 264V)	120V (108V – 132V)	
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%)		
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.