

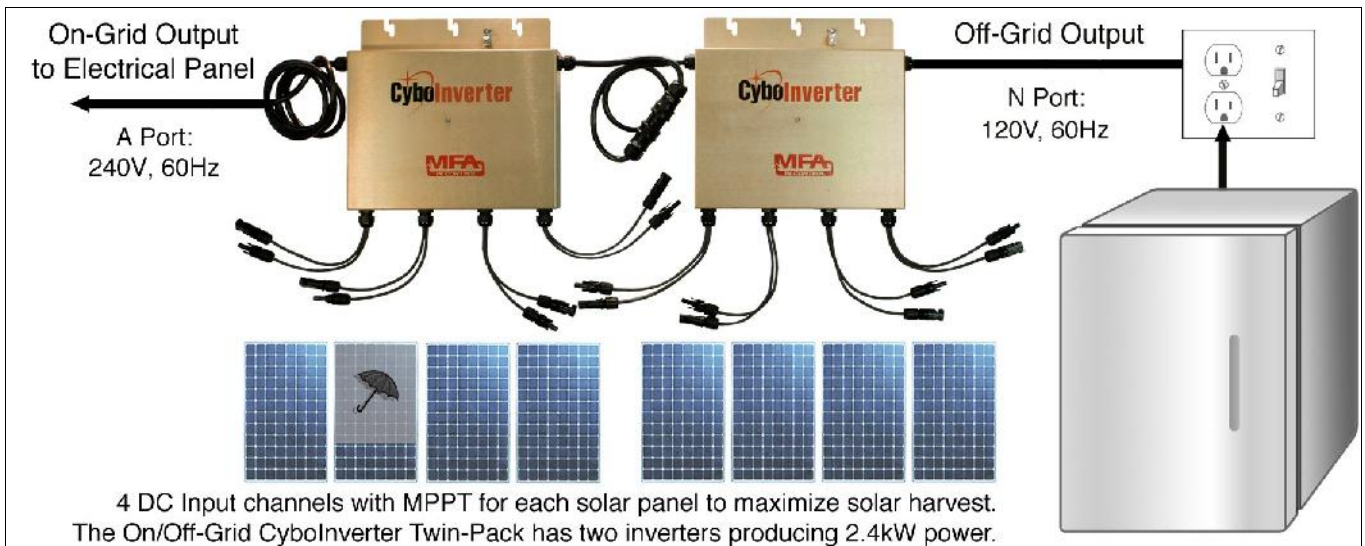


On/Off-Grid Solar Power Mini-Inverter Twin Pack




- 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 2500W, 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 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 |
| 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 / 1250W | 960W / 1250W |
| 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 Wire / AC Wire | 1-2 Feet DC Wires / 18 Feet AC Wires (THHN), Copper | |
| Compliance and Features | 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 (IP67) / Transformer Isolated Circuits | |
| Built-in Battery Over Discharge Protection | Low Voltage Disconnect (LVD) on Battery Channels. | |

Made in U.S.A.