



## News Release

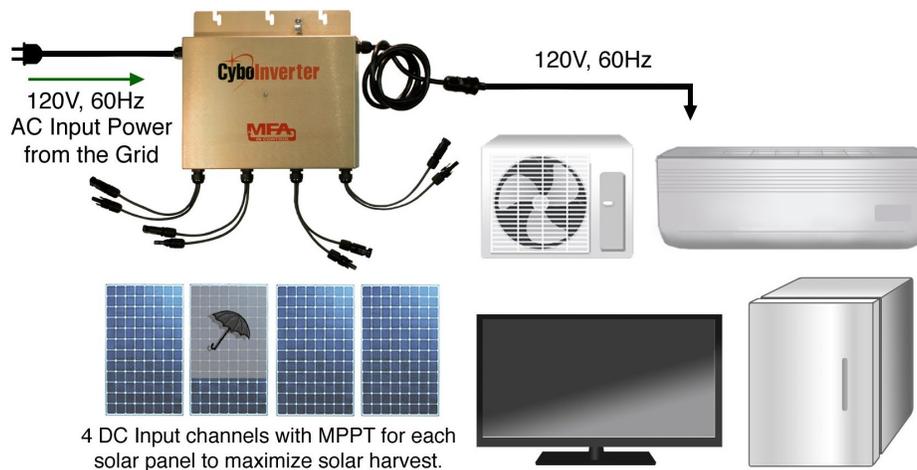
### **CyboEnergy Releases New Version of CyboInverters that Produce 1250W AC Power and Support 380W Solar Panels**

July 10, 2019 – CyboEnergy, Inc. (Rancho Cordova, CA), the developer of the world's first solar power Mini-Inverter that possesses the key merits of both central inverters and microinverters, announced today that the company has released a new version of CyboInverters that can produce 1250W AC power and support most solar panels up to 380W. New product spec sheets are released and downloadable from [www.cyboenergy.com](http://www.cyboenergy.com).

CyboEnergy CEO, Dr. George Cheng said, “CyboEnergy has been shipping our unique CyboInverter products to the global market. With higher efficiency solar cells, 350W solar panels are becoming more popular. CyboEnergy has enhanced the hardware and software for all CyboInverters to support higher wattage solar panels to meet customer demands. In addition, CyboInverter’s peak AC output power has increased from 1150W to 1250W and a twin-pack up to 2500W enabling off-grid CyboInverters to start and run heavier loads.”

As an example, the following image shows an AC Assisted Off-Grid CyboInverter that can run AC loads such as a TV, refrigerator, and an Inverter-Air-Conditioner (IAC). With assisted AC input power, the system can run AC loads 24/7 with solar power, grid power, or combined power. It allows users to take major loads off the grid and avoid all the headaches of an on-grid solar system.

CyboInverters are patented, UL1741 certified, NEMA 6 rated, and made in the USA. CyboEnergy has a patent portfolio to protect its unique multiple input channel design that enables seamless integration of DC sources and AC flexibility with On-Grid, Off-Grid, On/Off-Grid, Off-Grid for PV Water Heating, Dual-Output Off-Grid, and AC Assisted Off-Grid CyboInverters.



The following table shows 5 types of CyboInverters and their application areas.



CyboInverter Type	US Model	Applications, Features, and Benefits
AC Assisted Off-Grid	CIM-1200Na, Ya	Take major loads off the grid and run almost any AC loads 24/7 with solar, grid, or combined power.
Off-Grid for Electric Water Heaters	CIM-1200H	Off-grid PV solar water heating, area heating, and solar cooking.
Off-Grid	CIM-1000N, Nx	Battery-less or battery-enabled off-grid system for electrification or run IAC, coolers, EV chargers, etc.
On/Off-Grid	CIM-1200A/N	Send power to grid and have backup power when the grid is down.
Dual-Output Off-Grid	CIM-1200H/N	Off-grid PV water heating with backup power when grid is down, off-grid heating and cooling, etc.

Compared with on-grid solar inverters and traditional battery-based off-grid inverters, CyboEnergy's product family covers a much wider range of applications. Several key products have unique strategic advantages to address large market opportunities and demands, including:

- 1KW to 5KW off-grid solar systems for areas where on-grid solar is no longer welcomed due to the Duck Curve problems or lack of Net-Metering programs. The AC Assisted Off-Grid CyboInverters can run electric water heaters, IAC, central A/C, pool pumps, EV chargers, and other heavy loads.
- Off-Grid CyboInverter H model for PV water heating, area heating, and solar cooking.
- AC Assisted Off-Grid CyboInverters to run IAC or walk-in coolers for chain restaurants to avoid demand charges, soft-drink coolers for small stores, and zone cooling with IAC for homes.
- Small or mobile microgrids (1KW to 5KW) using Off-Grid CyboInverters in remote areas to provide electrification and to run IAC, soft drink coolers, and water heaters.
- 1KW-5KW on/off-grid solar system using On/Off-Grid CyboInverters to provide backup power and heating or cooling when the grid is down.

### **About CyboEnergy**

CyboEnergy is a subsidiary of CyboSoft, focusing on development, manufacturing, marketing, and services of product lines in the renewable energy field. CyboEnergy received the Frost & Sullivan's 2013 Global Product Differentiation Excellence Award for Solar Inverters and Frost & Sullivan's 2017 Global Solar Inverter Technology Innovation Award. For more information, please contact: CyboEnergy, Tel: (916) 631-6313, e-mail: Josh Bear, JBear@cybosoft.com, Web site: [www.cyboenergy.com](http://www.cyboenergy.com).