

PRESS RELEASE

For Immediate Release

Direct Grid Technologies introduces *Gemini* Series 480W Micro Inverter, reducing by 50% the number of conventional Micro Inverters required

Edgewood, New York – July 6, 2011– Direct Grid announced today the development of a new dual-module 480W micro-inverter product which it will be showcasing at Inter Solar North America at the Moscone Center in San Francisco July 12-14th, booth 7552. The *Gemini* Series micro-inverter allows photovoltaic design engineers to utilize half the number of micro-inverters in an array, when compared with conventional 1:1 micro-inverter designs, by connecting two modules per *Gemini* micro-inverter.

Once again, Direct Grid extends its industry lead in total power density by offering a market leading “utility grade” micro inverter, 240VAC, 60Hz with a maximum output of upwards to 530W. While the *Gemini* was designed for the ultra-rigorous physical and power level requirements of the utility sector, it is also embraced by the commercial/industrial market, due to the obvious economic advantages of only having to purchase 50% of the micro-inverters for a given design. Initial certifications on the *Gemini* Series include compliance to UL1741/IEEE1547/CSA for the North American market.

With the *Gemini* series, the highest power commercial or residential solar modules can be easily connected to the unit in pairs, without any concerns of power limiting. Additional benefits include deployment of fewer modules to achieve desired AC harvest, lower line losses, lower installation costs and higher system reliability - all without significantly detracting from harvest gains associated with individual maximum power point tracking (MPPT). Additionally, unlike most competitive products, the *Gemini* Series micro-inverter is both frequency flexible and “self tuning” with regard to grid frequency, so it can serve both 50Hz and 60 Hz grid-tied application segments.

“Enabling customers to gain the overwhelming majority of the known advantages of a distributed inverter topology, while cutting the cost in doing so by such a substantial margin, turns *Gemini* into a disruptive innovation for the market.”, said Direct Grid Technologies’ CEO, Scott Landstrom. “Not only do customers love the idea of using half the micro inverters to build out the array, but Direct Grid also enables customers to use the higher power modules now available in the industrial market. We have been told that the market is tired of MI solutions that simply “clip” the peak power output of these higher power modules, throwing away valuable energy output that could obviously be utilized. The message from the market is clear that LCOE must continue to decrease, and the new *Gemini* product is a step-function leap forward in micro-inverter economic competitiveness.”

Production of the Gemini Series is currently underway in the US and is ARRA compliant.

About Direct Grid Technologies, LLC

Direct Grid Technologies, LLC, designs and manufactures innovative utility grade micro-inverter solutions for the OEM photovoltaic solar market. The company also offers power harvesting data collection products and PV monitoring solutions. For more information, please visit www.directgrid.com.

Media Contacts

Direct Grid Technologies, LLC
Louis Squeo, Director of Marketing and Communications
phone: +1 631-242-1900
email: info@directgrid.com