



**For Immediate Release**

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## **IDEC Adds Chilicon Power Solar Products**

*IDEC now offers complete solar energy generation and control systems for residential, commercial and industrial applications.*

*IDEC Corporation, Sunnyvale, CA, July 24, 2015* – IDEC has selected Chilicon Power products to strengthen its position in the fast-growing solar power market after a careful review of all the companies in the industry. IDEC judged Chilicon Power to be the market leader in terms of technology, and thorough testing of their hardware and software showed the high level of quality required by all products sold and supported by IDEC.

Chilicon Power has been a leader in solar power systems since 2010, and they are now backed by IDEC Corporation's 70-year history of providing reliable industrial automation parts, systems and service. With a common mission to provide environmentally conscious, sustainable products, IDEC has partnered with Chilicon Power to bring complete solar energy generation and control systems to their residential, commercial and industrial customers.

Founded in 2010 by Christopher Jones and Alexandre Kral, Chilicon Power is the fulfillment of a vision to provide high efficiency, low-cost inverter solutions to revolutionize the energy industry. The Chilicon Power solar power system consists of microinverters, a Gateway, cloud-based remote monitoring and control software, and related components.

Each microinverter connects to a photovoltaic module and converts its DC power to grid-compliant AC power. With microinverter technology, each photovoltaic module has its own microinverter. If one of the modules fails or goes into shadow, the rest are unaffected. This is in contrast to string inverter technology, where one inverter interfaces to a number of photovoltaic modules, reducing the power output of each to the level of the failed or shadowed module, greatly reducing total power output from the inverter.

Leading the industry with sustained power production of 250 Watts AC, the Chilicon CP-250 Microinverter has a peak efficiency of 96.6% and is backed by a 25-year warranty. Reliable components and intelligent firmware provide high-frequency grid monitoring to ensure safe operation at all times, and inputs are galvanically isolated from the grid connection to provide a safety barrier.

The Gateway networks with up to 255 microinverters and displays power and other information on its LCD screen. The Gateway features plug & play setup, and is Wi-Fi Enabled for easier installation. It communicates over existing electrical wires using power line mesh network technology.

The Gateway provides remote monitoring and control through Chilicon Power's cloud-based software, allowing monitoring and managing of the solar power system 24/7. Full remote configuration and startup is offered to installers, along with remote troubleshooting. Remote firmware upgrades enable new functionality to be added without any changes to existing hardware.

IDEC's participation with Chilicon Power is just one of their many efforts to improve the environment. Their investments and developments in eco-friendly Mega Solar power systems, water and soil remediation technologies using their ultra fine bubble generating systems, and next-generation sustainable farming technologies, along with their core business of automation and control, are just a few of the areas showing their dedication to conserving the resources of our planet.

With a strong history of 70 years providing reliable and high quality automation and control technologies, IDEC is working towards the next generation of solutions to make the world a safer, cleaner, more efficient place for future generations. Please go to [www.idec.com/solar](http://www.idec.com/solar) for more information on the IDEC-Chilicon Power partnership.

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**About IDEC:** *Headquartered in Osaka, Japan, IDEC Corporation is a global manufacturer known worldwide for over sixty-five years for its reliable control and automation products. In the United States, IDEC has over thirty local sales offices to assist customers with choosing the right switches, relays, power supplies, PLCs, O/Is, sensors and more. A leader in the industry, IDEC produces only the highest quality products. For additional information, visit [www.IDEC.com/usa](http://www.IDEC.com/usa)*

**About Chilicon Power:** *Located in Los Angeles, Chilicon Power designs and manufactures microinverter products and power monitoring solutions for distributed generation applications. Chilicon has operated since 2010 and is delivering its second generation of products. The company believes in a sustainable business model and has operated in a cash flow positive manner throughout its growth. Chilicon Power emphasizes quality in its products and has invested significant resources in its U.S.-based manufacturing processes. For additional information, visit [www.chiliconpower.com](http://www.chiliconpower.com)*