



GE Anticipates Solar Industry Needs, Helps Customers Optimize Grid Infrastructure

- *PROLEC-GE Launches Three-Phase Pad-Mounted Transformer Extension for Solar Industry*
- *Optimal Technical Support Helps Solar Market Navigate Key Industry Challenges*
- *Evolved Technology is One More Way GE is Helping Customers Optimize Existing Grid Infrastructure, Add More Renewable Resources*

ATLANTA—June 3, 2015—Anticipating the solar industry’s need for higher transformer capacities, GE’s Digital Energy business (NYSE: GE) announced today an expansion to its [PROLEC-GE Solar Pad-Mounted Transformer](#) portfolio. The new solar unit, designed to extend scope capabilities from 2 megavolt amperes (MVA) to 2.8 MVAs for dual low-voltage winding and from 3 MVAs to 4 MVAs for single low-voltage winding, demonstrates one more way GE is helping customers effectively navigate the solar market – expected to grow at an annual rate of about 13 percent over the next several years¹.

“For the solar industry, it’s no easy task to calculate the optimal capacity needed for a transformer, especially since the energy generated will vary throughout the day,” said Rosario Lopez, vice president of PROLEC-GE’s Distribution Transformers business. “We mitigate this challenge for many customers by helping them determine the right size transformer they should use based on the load and ambient conditions that are specific to their location and application. By anticipating customers’ needs through advanced technologies, we help them save both time and unnecessary expenses.”

PROLEC-GE’s solar transformer recently passed IEEE/ANSI short-circuit testing, validating its design calculation models and product reliability. Meeting IEEE and ANSI standards, Underwriters Laboratories (UL), International Building Code (IBC), Canadian Standards Association (CSA) and seismic design certifications, PROLEC-GE’s transformers also have a special low-loss design option, helping to significantly reduce the total cost of ownership. Optional arc-flash protection additionally helps to minimize infrastructure damage and potential health risks for the maintenance crew.

“Our three-phase solar pad-mounted transformers feature increased dependability due to PROLEC-GE’s manufacturing and design processes and the use of high-grade materials,” added Lopez. “We use better materials and have more technically robust designs in order to make our units more efficient, reliable and long-lasting.”

With PROLEC-GE’s three-phase solar pad-mounted transformers, solar energy is captured by solar cells that generate DC power and convert it to AC using inverters. The voltage from the inverters is then stepped up by the transformers, allowing for the efficient aggregation of power that will flow to a collector step-up substation transformer, ultimately delivering more renewable energy to the grid. With two low-voltage windings, the transformers are equipped to connect two inverters, helping to decrease the operating cost, initial investment and use of land for customers.

¹ <http://www.slideshare.net/FrostandSullivan/global-solar-power>

To learn more about PROLEC-GE's solar pad-mounted transformers, visit:

www.gedigitalenergy.com/products/brochures/PROLECSolarPad-MountedTransformer_english.pdf

GE's Digital Energy business is a global leader in transmission and distribution solutions that manage and move power from the power plant to the consumer. Its products and services increase the reliability of electrical power networks and critical equipment for utility, industrial and large commercial customers. From protecting and optimizing assets such as generators, transmission lines and motors, to delivering analytic tools to help manage the power grid, GE's Digital Energy business delivers industry-leading technologies to solve the unique challenges of each customer. For more information, visit <http://www.gedigitalenergy.com/>.

About PROLEC-GE

PROLEC-GE is a joint venture between the GE and Xignux, S.A. de C.V. It is one of the largest transformer manufacturers in the Americas, offering a full line of transformer products for the generation, transmission and distribution of electric power. PROLEC-GE has more than 40 years of experience in the industry, with products installed in more than 35 countries around the world. For more information, please visit www.prolecge.com.

About GE

GE (NYSE: GE) imagines things others don't, builds things others can't and delivers outcomes that make the world work better. GE brings together the physical and digital worlds in ways no other company can. In its labs and factories and on the ground with customers, GE is inventing the next industrial era to move, power, build and cure the world. www.ge.com

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