

Press Release

Schneider Electric Solar collaborates with Discover Battery to optimize battery charging and system performance

- LYNK[®], closed-loop communication, is implemented between Discover's batteries and Schneider Electric's inverters over Xanbus
- Closed-loop communication provides significant improvements in 0-100% SOC recharge times
- The LYNK[®] will reduce recharge times by over 25% when compared other advanced batteries

Vancouver, BC (Canada), June 27, 2018 –Schneider Electric and Discover Battery announce the results of their collaboration in offering significant improvements in 0-100% SOC recharge times and reduction of recharge times by over 25% compared with advanced batteries.

LYNK[®] closed-loop communication has been implemented between Discover's Advanced Energy System (AES) batteries and Schneider Electric's Conext[™] hybrid inverter systems over Xanbus network. In addition to remote reporting of state-of-charge (SOC) and system-level status through the Conext[™] ComBox and Insight cloud monitoring services, closed-loop communication provides significant improvements in 0-100% SOC recharge times. The LYNK[®] between the Discover's battery management systems (BMS) and the connected Conext[™] SW or XW+ charge source enables dynamic optimization of charge parameters reducing recharge times by over 25% when compared other advanced batteries.

Make the most of your array

"We wanted to provide an off-grid solar solution for installers in each of our key geographic markets, so we approached Schneider Electric, a globally-recognized, leader in off-grid inverter design for our initial integration project. When our batteries are able to LYNK[®] over Schneider Electric's Xanbus network, our installers can offer their customers a true, system solution that finally demonstrates the potential for advanced energy storage chemistries when used in off-grid applications," says Darwin Sauer, President at Discover Battery. "The BMS in Discover Advanced Energy Storage batteries reports very accurate SOC and status information in real time which Schneider Electric's networked hardware can read and react to. Once there's an external power source, our BMS is able to take over and drive. We can improve recharge times by nearly a third over other lithium batteries with the same capacity while reducing diesel costs and increasing useable power harvested from an array."

"With our Conext[™] XW+ or SW inverter/chargers directly communicating with Discover AES batteries over our Xanbus network, installers can design systems with smaller arrays or increase the usable power from any existing array and expect significant reductions in supplementary, diesel consumption," says Evan Vogel, Vice President of Marketing, Schneider Electric Solar Business. "Direct communications over our Xanbus networks using LYNK[®] simplifies system installation and provides solar installers with seamless, plug-and-play connection of communications between their

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Discover AES pack and single inverter Conext™ SW and XW+ systems, saving time and ensuring accuracy of set points and parameters.”

About Discover Battery

Discover Battery is the worldwide leader in designing and manufacturing of transportation, motive power, and advanced energy storage solutions. To “discover” means to find something in the course of a search. At Discover, we are always searching for better solutions to battery and energy storage challenges. What started as a battery distribution business in 1949 has evolved to become a leading innovator and manufacturer of high value power solutions delivered and serviced globally through the best sales and service network on the planet. Success in our market is about delivering excellence with the design, manufacture and supply of battery products and energy storage solutions that we know will provide meaningful results and outcomes for our customers.

www.discoveraes.com

www.discoverbattery.com

About Schneider Electric

Schneider Electric is leading the Digital Transformation of Energy Management and Automation in Homes, Buildings, Data Centers, Infrastructure and Industries.

With global presence in over 100 countries, Schneider is the undisputable leader in Power Management – Medium Voltage, Low Voltage and Secure Power, and in Automation Systems. We provide integrated efficiency solutions, combining energy, automation and software.

In our global Ecosystem, we collaborate with the largest Partner, Integrator and Developer Community on our Open Platform to deliver real-time control and operational efficiency.

We believe that great people and partners make Schneider a great company and that our commitment to Innovation, Diversity and Sustainability ensures that Life Is On everywhere, for everyone and at every moment.

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