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## **AMPT LAUNCHES A NEW CATEGORY OF OPTIMIZERS THAT SIGNIFICANTLY LOWER THE COST OF SOLAR**

*String Optimizer Delivers Lower Cost and Higher Performing Large-Scale PV Systems*

**Fort Collins, Colo.—July 8, 2014—**[Ampt LLC](#) today ushered in a new era in PV system optimization with the release of their new String Optimizer, a DC power converter with multiple maximum power point tracking (MPPT) and output voltage and current limits to optimize system design and maximize performance of large-scale PV systems. Ampt will showcase the String Optimizer at several partner booths during Intersolar North America 2014, including the Shoals Booth (9611) and Bonfiglioli Booth (8311).

Ampt String Optimizers are deployed in large-scale PV systems to lower cost and increase performance. This optimized system has twice the number of modules per string and higher resolution MPP tracking than conventional systems without Ampt. More modules per string decreases the number of combiners by 50 percent and reduces the amount of cabling which results in significant electrical balance of system savings. Putting MPPT on each string increases lifetime system production. Systems optimized with Ampt use inverters configured to operate in Ampt Mode™. These inverters have a higher rated output power and operating efficiency compared to the same inverter operating in standard mode. Delivering more power per inverter reduces the overall cost per watt.

“Our String Optimizer lowers the total cost of the largest of PV systems,” said Levent Gun, CEO at Ampt. “It not only optimizes on cost, but it also distributes the MPPT so you get more energy out of the system. This is a significant advancement for PV system design and a step closer to grid parity.”

Ampt String Optimizers include the following features:

- Multiple MPP trackers per PV string to improve system performance
- Ampt Mode™ technology to increase inverter output power
- String Stretch™ technology to double the number of modules per string
- Patented output voltage and current limits
- Independent power optimization without reliance on communication
- Compatible with any inverter and enables HDPV-compliant inverters



“In an effort to lower the cost of electrical components, large-scale PV developers and EPCs are looking for next generation system designs,” said Dean Solon, CEO at Shoals Technologies Group. “Shoals’ portfolio of products is first class in lowering total system cost. Ampt’s String Optimizer, manufactured by Shoals, allows developers to deploy PV power plants with the cost saving benefits of a 2000 volt system using only 1000 volt components while meeting all 1000 volt code requirements. At the same time, deployments with Ampt increase system lifetime performance.”

At Intersolar North America 2014, Ampt Director of Marketing Mark Kanjorski will present the topic of PV system cost reduction using Ampt’s new String Optimizer. Kanjorski’s Intersolar talk, [1500V vs. 1000V System with Distributed Electronics: Which Lowers System Cost More?](#), takes place on Tuesday, July 8, 2014 at 9:00 a.m. PT at the Intercontinental Hotel, Grand Ballroom A.

Ampt’s String Optimizer is available for immediate shipment. For additional information about Ampt’s products, visit: [www.ampt.com](http://www.ampt.com).

#### **About Ampt**

Ampt delivers innovative power conversion technology and communications capabilities that are changing the way PV systems are designed. The company, along with strategic partners in the [HDPV Alliance](#), is lowering system cost, improving ROI, increasing energy generation and broadening the PV solar market. The result? Energy realized™.