

May 2, 2016



Ideal Power Introduces New SunDial Solar PV String Inverter

First Commercial Solar PV String Inverter With Field Upgradable Port for Direct Integration of Energy Storage Targeting \$6.9 Billion Inverter Market

AUSTIN, TX -- (Marketwired) -- 05/02/16 -- Ideal Power Inc. (NASDAQ: IPWR), a developer of innovative power conversion technologies, introduced its new SunDial™ solar photovoltaic (PV) string inverter which includes an optional bi-directional 3rd port for direct integration of solar with energy storage during initial installation or any time in the future. The SunDial™ is a compact, efficient, and fully isolated PV string inverter with an integrated PV combiner, disconnects, and a built-in Maximum Power Point Tracker (MPPT). It also features an optional, low cost "plug and play" bi-directional DC port kit. This new "solar first, storage ready" design is the only commercial string inverter available with a field-upgradable, bi-directional energy storage port, making the system market ready today for the solar + storage market.

According to [IHS Technology](#), global solar PV inverter revenues were estimated at \$6.9 billion globally in 2015. The new SunDial™ system directly addresses this large established market, giving commercial and industrial PV developers and installers a competitively-priced PV inverter product today with the flexibility to seamlessly integrate energy storage today or in the future. The integration of solar and storage is already economically attractive for customers addressing high retail electricity rates, high commercial demand charges, or those located on islands and areas where selling PV power back to the grid is not supported. With the optional 3rd port connected to a battery, the SunDial™ is also capable of disconnecting from the utility grid and forming a microgrid to provide backup power to critical building loads utilizing the energy from the PV and battery, giving customers peace of mind that their system can be used even in a power outage.

The initial SunDial™ product is a 30kW system (Model 30PV+S) based on Ideal Power's patented and award winning Power Packet Switching Architecture™ with 1000V max PV DC input and 480V, 3-phase output. It is the first in a planned family of field-upgradable SunDial™ PV string inverters. An important new feature of the SunDial™ system will be a newly designed AC link providing true galvanic isolation from the AC to the DC ports, enabling PV installations to be either grounded or true floating. The new SunDial™ inverter is comparable in size and cost to today's widely used transformerless PV string inverters, but is fully isolated and offers the additional value of an optional, upgradable fully isolated bi-directional port for direct storage integration. The SunDial™ can be applied to both new PV

installations and PV system retrofits where there is a desire to add energy storage to an existing array.

"The SunDial is a major milestone for the industry -- it is the first bi-directional PV string inverter that gives solar installers the flexibility to build their project with storage now or plan for its integration in the future without having to replace the solar inverter or add a separate battery converter," said Dan Brdar, CEO of Ideal Power. "The growing installed base of solar and resulting grid instabilities will increasingly force the coupling of solar and storage. Our new SunDial™ represents a tremendous opportunity for Ideal Power to capture a share of this market, while giving our customers the flexibility to create additional value from their system via direct storage integration."

Ideal Power plans to target commercial and industrial scale PV installations that want the optionality of adding energy storage or other DC sources at the time of installation or at any time in the future. The 30kW product will be UL-1741 listed as well as NEC 2014 compliant for behind-the-meter installations. Ideal Power is taking pre-orders now for delivery in September 2016.

About Ideal Power Inc.

Ideal Power Inc. (NASDAQ: IPWR) has developed a novel, patented power conversion technology called Power Packet Switching Architecture™ (PPSA). PPSA improves the size, cost, efficiency, flexibility and reliability of electronic power converters. PPSA can scale across several large and growing markets, including commercial grid storage, combined solar and storage, microgrids, and electrified vehicle charging. Ideal Power also has a capital-efficient business model that can enable it to address these markets simultaneously. Ideal Power has won multiple grants for its PPSA technology, including a \$2.5 million grant from the Department of Energy's Advanced Research Projects Agency - Energy (ARPA-E) program, and market-leading customers are incorporating PPSA as a key component of their systems. For more information, visit www.IdealPower.com.

Safe Harbor Statement

All statements in this release that are not based on historical fact are "forward looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 and the provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These statements include our statement that the growth of solar installations will increasingly force the coupling of solar power systems with storage. While management has based any forward looking statements included in this release on its current expectations, the information on which such expectations were based may change. These forward looking statements rely on a number of assumptions concerning future events and are subject to a number of risks, uncertainties and other factors, many of which are outside of our control that could cause actual results to materially differ from such statements. Such risks, uncertainties, and other factors include, but are not limited to, whether the patents for our technology provide adequate protection and whether we can be successful in maintaining, enforcing and defending our patents, whether the demand for energy storage products will grow at a pace consistent with our expectations, whether demand for our products, which we believe are disruptive, will develop and whether we can compete successfully with other manufacturers and suppliers of energy conversion products, both now and in the future, as new products are developed and marketed. Furthermore, we operate in a highly competitive and rapidly changing

environment where new and unanticipated risks may arise. Accordingly, investors should not place any reliance on forward-looking statements as a prediction of actual results. We disclaim any intention to, and undertake no obligation to, update or revise forward-looking statements.

Ideal Power Media Contact:

Mercom Communications

www.mercomcapital.com

Wendy Prabhu

[Email Contact](#)

1.512.215.4452

Ideal Power Inc. Investor Relations Contact:

MZ North America

www.mzgroup.us

Matt Hayden

[Email Contact](#)

1.949.259.4986

Source: Ideal Power