

Founded in 2007, Ampulse Corporation is developing a revolutionary crystalline-silicon (c-Si) thin-film solar photovoltaic (PV) technology. Utilizing uniquely-textured substrates and buffer materials from the Oak Ridge National Laboratory (ORNL), and breakthroughs in Hot-Wire Chemical Vapor Deposition (HW-CVD) techniques in epitaxial silicon developed at the National Renewable Energy Laboratory (NREL), Ampulse is creating a solar technology that is tunable in silicon thickness, and hence in efficiency and economics, to meet the specific requirements of multiple solar PV applications. A true marriage of the efficiency properties of single-crystal silicon with low-cost thin-film manufacturing techniques, Ampulse technology is packaged into a flexible and easy-to-install form factor that affords the lowest total system cost per watt of any solar PV technology in the market. As a result, Ampulse products can be customized to address a wide range of specific market applications. The company is led by an experienced management team, features a robust intellectual property portfolio, and is funded by the well-respected venture capital firms of Globespan Capital Partners, Battelle Ventures, and El Dorado Ventures. Additionally, Ampulse was the first recipient of Technology Commercialization and Deployment Funding (TCDF) from the Office of Energy Efficiency and Renewable Energy (EERE) of the U.S. Department of Energy.

MANAGEMENT TEAM

Steve Hane – President & Chief Executive Officer

Paul Schroeter – Chief Operating Officer

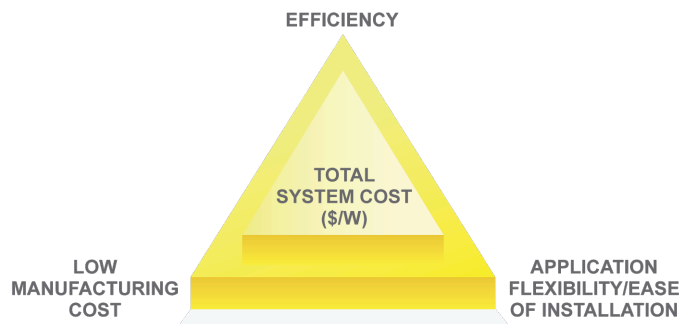
Vidya Sharma – Vice President, Strategic Marketing

Jon Bornstein – Senior Director, Process Development and Integration

Tom Fanning – Director, Epitaxial Technology

THE AMPULSE ADVANTAGE

Today, there are a large number of solar thin-film companies at various stages of commercialization in the marketplace. All have been challenged with achieving an optimal combination and balance between efficiency, cost, and application flexibility/ease of installation. While several claim to achieve first two of these three critical factors in the proper range, Ampulse is the first company to propose best-in-class combination of the three most critical metrics in solar PV: cost, efficiency and form factor.



The Challenge of Solar PV: Balancing Cost, Efficiency and Ease of Installation

Ampulse's c-Si thin-film has the potential to achieve the efficiencies of crystalline silicon manufacturers, but with the module manufacturing cost of existing thin-film technologies. With the low product cost of thin-film technologies like CdTe, but at the higher efficiency of crystalline silicon, and combined with a flexible and easy-to-install form factor, the result is the lowest total system cost in solar PV.

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