It’s about growth and scale.

When you look at the most abundant technologies around us, their success is often tied to standardization. From video formats, to electrical equipment, to the Internet itself, the establishment of standards has significantly reduced the cost and complexity of systems and enabled adoption at global scale.

By establishing information standards for distributed energy, the SunSpec Alliance is reducing the cost of solar PV installation, decreasing vendor risk, increasing affordability and customer choice, and maximizing financial performance for all industry participants.

SunSpec Alliance is a global federation of solar PV industry participants, together defining information standards for distributed energy.

SunSpec specifications address major sub-systems and operational aspects of solar PV power plants - including residential, commercial, and utility-scale - and how they interact with the smart grid. SunSpec specifications reduce cost, promote innovation, and accelerate industry growth.

Membership is open to corporations, research institutes, non-profits, and individuals. For more information, or to download SunSpec specifications at no charge, please visit www.sunspec.org.

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Building Trust & Confidence Through Certification

A key requirement for establishing standards is to ensure interoperability of vendor-supplied products. SunSpec has established such a program for the solar industry. Products bearing the SunSpec Certified™ mark have completed a process that includes a verified statement of protocol conformance, validation with the SunSpec conformance test suite, and interoperability testing with other SunSpec Certified products. Visit SunSpec.org to learn more.

“Information about energy will become almost as important as energy itself.”

Tom Tansy, Chairman of the SunSpec Alliance

SunSpec Alliance information standards enable significant cost reduction and scale efficiency for manufacturers, integrators, plant owners and operators, financiers, utilities, and consumers.

With standards, the solar PV industry can build upon the competitiveness it has already attained, sustain the profitability and economies of scale needed for widespread deployment, and compete on even footing with all other forms of energy generation.

The SunSpec Alliance takes an open, customer-driven approach to standards development. SunSpec specifications are currently available for most solar PV system elements and are being adopted around the globe.

Our goal is to accelerate the growth of the distributed energy industry by specifying standards - information models, data formats, communication protocols, and system interfaces - that enable distributed energy power plants to interoperate transparently with system components, software applications, financial systems, and the Smart Grid.