Trina Solar Announces New High-Efficiency Honey Ultra Module

April 8, 2014 (Source: PR Newswire) – Trina Solar Limited (NYSE: TSL) ("Trina Solar" or the "Company"), a global leader in photovoltaic (PV) modules, solutions and services, today announced that its State Key Laboratory of PV Science and Technology has developed a new high-efficiency Honey Ultra solar module.

Trina Solar's Honey Ultra monocrystalline silicon module reached a new record of 326.3W, which has been independently certified by TUV Rheinland, a leading authoritative certification institution. This result sets a new world record for p-type monocrystalline silicon modules. The monocrystalline silicon module is composed of 60 high-efficiency Honey Ultra monocrystalline silicon cells of 156mm x 156mm, fabricated with a technology developed by Trina Solar and currently in pilot production.

Honey Ultra marks the second generation of Trina Solar's Honey module technology and this new high-efficiency record significantly extends the previous milestone of 284.7W attained by Trina Solar's first generation of Honey modules.

The module integrates core technologies including back surface passivation technology and low-resistance connection technology, each of which have been researched and developed by Trina Solar.

"As an advanced research and development facility, our State Key Lab of PV Science and Technology enables us to execute on our commitment to the commercialization of new high-efficiency solar cells and highly reliable modules," said Dr. Zhiqiang Feng, Vice President of Trina Solar and Director of the State

Key Lab of PV Science and Technology. “In recent years the Company has successfully researched and developed new intellectual properties in the form of a series of innovative technologies and high quality products, and has successfully maintained its leading position in patent applications and grants. As a result, Trina Solar remains at the forefront of technological innovations in the solar industry.”

This new Honey Ultra module marks a key milestone for Trina Solar’s State Key Laboratory of PV Science and Technology since its accreditation in November 2013 and follows the Company’s development of a new Interdigitated Back Contact (“IBC”) cell capable of delivering an industry-leading efficiency of 24.4%.

This demonstrates Trina Solar’s world-class monocrystalline silicon module and that the technology behind these high-efficiency modules is suitable for rapid roll-out to large-scale production.

About Trina Solar Limited

Trina Solar Limited (NYSE: TSL) is a global leader in photovoltaic modules, solutions and services. Founded in 1997 as a PV system integrator, Trina Solar today drives smart energy together with installers, distributors, utilities and developers worldwide. The company’s industry-shaping position is based on innovation excellence, superior product quality, vertically integrated capabilities and environmental stewardship. For more information, please visit www.trinasolar.com.