

Press Release

TVP Solar Again Brings Innovation to Solar Thermal Fields

Munich, Germany, 4th of June, 2014 – Premiering their innovation at [Intersolar Munich](#), the world’s leading exhibition for the solar industry and platform for pioneering technology and products, TVP Solar has introduced a new feature to its [award-winning flat solar thermal high-vacuum panel](#): MT-Power. The panels can now be aligned in strings of up to 30 meters long, connected in series by TVP’s proprietary panel-to-panel pre-insulated joints. This maintains the return heat transfer fluid piping within the panel’s insulating high-vacuum envelope, minimizing field piping and increasing system performance.

“After innovating on the panel itself, on the vacuum envelope, we have improved the configuration of the absorber, using two parallel sets of pipes,” said Dr. Vittorio Palmieri, CTO of TVP Solar. “While we confirmed the Solar Keymark-certified efficiency at the panel level, 55% at 180°C and 70% at 100°C, overall system performance is significantly improved by minimizing thermal losses from piping. This is a fundamental feature for [medium temperature](#) applications and large-scale deployments.”

On the rooftop of their new volume manufacturing plant in Avellino (Italy), TVP Solar has installed a solar field of the new MT-Power panels demonstrating the effectiveness of the embedded return pipe.

TVP Solar CEO, Mr. Piero Abbate, said that, “this unique feature cuts balance of system components and installation timing, complexity and cost, further improving solar field payback. Solar thermal can now be installed like Lego™ blocks, requiring minimal engineering and maintenance,” continues Abbate. “Our efforts align the interests of our sales and installation partners, simplifying the job and shortening the end-client return on investment.”

MT-Power with the embedded return flow technology is available for volume sales in October 2014.

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About TVP Solar:

TVP Solar SA is a Swiss company which designs, develops, manufactures and markets innovative high-vacuum flat solar thermal panels based on patented technology. TVP Solar is a game-changer in the solar thermal industry, effectively competing with electricity in the cooling and industrial process heat markets, while introducing new thermal energy-producing roofs for the residential market.

For more information please visit: www.tvpsolar.com

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