

LONGI Solar - Company Profile

Longi Solar Panels is the largest manufacturer of monocrystalline solar panels in the world. This achievement is a combination of residential, commercial, and utility-scale solar installations. With over 18 years of solar panel manufacturing research and development history, Longi Solar is now a master of its own vertically integrated supply chain. This allows precise control over the quality of their products throughout the entire manufacturing process. **Longi Solar** continues to show a strong commitment to their future in the renewable energy industry. This includes more than 7% of their yearly revenue invested in Research & Development. Longi Solar also hold more than 178 patents and proprietary technologies which have been developed by their very own global R&D teams consisting of over 500+ team members.



Longi was founded in 2000 and by 2007 they had 100 tones of monosilicon production capacity. Nowadays, that's enough for about one gigawatt of solar panels, but back then it was probably less, as they were cutting silicon ingots into the thicker "toast" slices rather than the thinner "sandwich" silicon ingot loafs they do today where they are cut so thin there is only around half a gram of silicon per solar cell. In 2014 they could ship 2.5 gigawatts worth of silicon cells, which are slices of silicon ingot before they are turned into solar cells. This was also the year they stopped just producing silicon ingots and wafers and got into solar panel manufacturing by

acquiring **Leiri Solar**. In 2016, they were the fastest growing panel manufacture in the world. **Longi Solar** proved themselves on a global platform, becoming a member of the "Silicone Module Super League" (SMSL) joining the likes of **Canadian Solar**, **Jinko Solar** and **GCL Solar**. The SMSL is a small group consisting of only 7 large scale solar panel manufacturers who currently supply over half of the world's solar panels.

Key features - Longi 300wt Mono:

- Tier 1
- Max. positive 5W tolerance – possible to reach to 305W!
- Highest module efficiency up to 18.3%
- Cell efficiency 21%
- Excellent performance in low irradiance conditions
- Excellent weather resistance – salt spray, ammonia etc.
- Good pressure resistance – able to hold 2400Pa wind pressure