

SMA Inverters - Sunny Tripower

In a class of its own: packed with state-of-the-art technology, the Sunny Tripower makes for easy installation, high yield, and secure grid support. Thanks to its multi-string technology and the widest input voltage range, the three-phase inverter is suitable for every imaginable module configuration. In addition, it is highly flexible in terms of the plant design – from 8kW the megawatt range. The Sunny Tripower presently fulfills the BDEW guideline requirements (medium voltage guideline), and in so doing, it participates in reliable grid management.

A comprehensive security concept encompassing, among other things, string failure detection, electronic string fuses, and a surge protection function, providing the highest level of availability and reducing plant costs.



Model	STP8000TL	STP10000TL	STP12000TL	STP15000TL	STP17000TL
Recommended maximum PV power (Wp)	8200	10200	12250	15340	17400
Maximum DC voltage (V DC)	1000				
Input DC voltage range (V DC max)	320-800	320-1000	380-1000	360-1000	400-1000
Maximum input current (I _p max) (A) (Input A/ B)	22/11			33/11	
Maximum number of parallel strings (Input A/B)	4/1			5/1	
Nominal output power P AC (W)	8000	10000	12000	15000	17000
Peak AC power (W)	8000	10000	12000	15000	17000
Maximum efficiency	98.1%				
Weight (approx) (kg)	65				
Size (mm) WxHxD	655x690x265				
Ambient temperature	-25°C to +60°C				
Enclosure rating	IP65/ IP54				
Features	Electronic Solar Switch ESS: Integrated DC-disconnect				
Standard Warranty	5 Years Warranty				

Note: Check full inverter specifications, system design, maximum PV watts and system wiring configuration prior to connection.

