

**UPDATED**



# SUNNY Inverters



SMA Solar Technology is a global leader in the development, production and sales of PV inverters and offers innovative technologies for PV power supply management solutions.

SMA has an extensive range of products, offering suitable inverters for all module types and plant sizes including commercial and industrial large scale plants, grid-connected installations as well as stand-alone and backup systems. Plant monitoring and visualization products as well as energy management solutions complete the portfolio.

**PV Inverters:** SMA PV Inverters are transformerless design with two MPP trackers that converts the DC power of the PV array to grid compliant AC power and feeds it into the utility grid. The Sunny Tripower are three phase inverters, developed for mid to large scale commercial and industrial plants.

**Battery Inverters:** The Sunny Island Inverters are battery inverters suitable for off-grid or battery backup applications. Together with the battery array, the Sunny Island forms an independent AC power grid accessible to both energy suppliers and consumers.

SMA offers various monitoring and control accessories including:

- The SMA Energy Meter for optimal energy monitoring, effective load and battery management.
- The Sunny Home Manager that allows the user to identify and optimize energy consumption habits by monitoring and analysing all energy flows in the home.
- The Sunny Remote Control unit for control and visualization unit for Sunny Island Systems allowing remote monitoring and commissioning of the inverters.
- The SMA Cluster Controller functions as the central communication unit for system monitoring, recording data and controlling large-scale PV plants.

The SMA range of inverters are proven and dependable designs using the latest technology to give exceptional levels of performance, economy and reliability. They are market leading products and are suitable for a wide range of applications.

## SPECIFICATIONS

Model	PV SUNNY TRIPOWER Grid Feed Inverter (3 Phase)		SUNNY ISLAND PV Battery Inverter (3 Phase)	
	STP 20000TL	STP 25000TL	SI 6.0H	SI 8.0H
	BATTERY DC INPUT			
Max. DC/AC Power	20,450W	25,550W		
Max. DC Voltage	1000V		63V	
Max. Voltage Range	320V-800V	390V-800V	48V/41V-63V	
Max. Input Current	33A		110A (Charging)	140A (Charging)
	OUTPUT (AC)			
Rated Power, 50Hz	20,000W	25,000W	4,600W	6,000W
Max. Apparent AC Power	20,000VA	25,000VA	6,000W(30min)	8,000W(30min)
Nominal AC Voltage	415V		240V	
Nominal AC Voltage Range	320V-480V		202V-253V	
Rated Power Frequency/ Rated/Grid Voltage	50Hz/415V		50Hz/240V	
Max. Output Current	29A	36A	120A	
Max. Efficiency	98.5%	98.1%	195.0%	
	GENERAL DATA			
Dimensions, mm (LxWxH)	661x682x264		467x612x242	
Weight	61kgs		63kgs	
Topology/Cooling Concept	Transformerless/Opticool			