

SolarMax SMT & SHT Series

Technical Datasheet & Specification Overview | Grid-Tied String Inverters

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1. Overview & Product Portfolio

SolarMax grid-tied string inverters represent robust German technology engineered for high efficiency, operational safety, and reliability. The current liquidation lot encompasses three-phase string inverters ranging from 10 kW to 60 kW, optimized for both residential rooftop systems and large-scale Commercial & Industrial (C&I) solar parks.

SolarMax SMT Series (10 – 15 kW)

- **Application:** Residential & Light Commercial
- **Phase Type:** Three-phase (3P+N+PE)
- **Key Features:** Dual MPPT, Compact design, Low noise, Integrated WiFi / RS485
- **Enclosure Class:** IP65 (Indoor/Outdoor)

SolarMax SHT / Commercial Series (20 – 60 kW)

- **Application:** Commercial & Industrial (C&I) Parks
- **Phase Type:** Three-phase heavy-duty
- **Key Features:** High DC voltage input, Integrated string fuses & DC switch
- **Enclosure Class:** IP65 weather-proof housing

2. Detailed Technical Specifications

Power Rating	Model Series	Weight (kg)	MPPT Trackers	Max. Efficiency	Protection	Communication
10 kW	SolarMax 10SMT	19.8 kg	2 MPPT	98.0%	IP65	WiFi / RS485 / GPRS
15 kW	SolarMax 15SMT	21.8 kg	2 MPPT	98.2%	IP65	WiFi / RS485 / GPRS
20 kW	SolarMax 20SHT	37.0 kg	2 MPPT	98.3%	IP65	WiFi / RS485 / Ethernet
25 kW	SolarMax 25SHT	40.0 kg	2 MPPT	98.4%	IP65	WiFi / RS485 / Ethernet
30 kW	SolarMax 30SHT	40.0 kg	2 MPPT	98.4%	IP65	WiFi / RS485 / Ethernet
60 kW	SolarMax 60SHT	67.0 kg	Multi-MPPT	98.6%	IP65	RS485 / GPRS / PLC