



3-PHASE GRID-TIE PV INVERTER

FEATURES

- 98% Conversion Efficiency
- Integrated DC Switch & Webserver
- IP65, Die-casting Housing
- Graphic Data Logger
- Interface for Ripple Control Receiver
- 70% Power Reduction
- 24kg (ST 10000T), Lightest inverter in this range
- 2 Independent MPP Trackers (8 & 10 & 15kW)
- Automatic Firmware Update
- Ethernet & Optional Wi-Fi
- Cloud Web Portal
- Optional Programmable (Auxiliary) AC-contact

SPECIFICATION



Model		ST 5000T	ST 8000T	ST 10000T	ST 15000T <i>New!</i>
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Input (DC)

Max. Power per Tracker	W	5500	6800	6800	13500 / 6800
MPPT Range ¹	V	580 ~ 850			550 ~ 850
Minimum MPP Voltage	V	250			
Max. DC Voltage	V	980			
Max. Current	A	10	10	10 x 2	20x1/10x1
MPP Tracker No.		1	2		

Output (AC)

Rated Power	W	5000	8000	10000	15000
Max. Power	VA/W	5000	8000	10000	15000
Nominal Voltage	V	230/400			
Voltage Range	V	184 ~ 264.5			
Nominal Frequency	Hz	50 / 60			
Max. Current	A	8	12.8	16	24
Power Factor	cos ϕ	Adjustable, -0.8 ~ +0.8			

General

Max./Euro Efficiency	%	97.8 / 96.5	98 / 97	98 / 97.3	98 / 97.5
Tempe. Range	°C	-20 ~ 55			
Cooling		Controlled Forced Air-Cooling			
Protection Class (IEC 60529)		IP65			
Humidity	%	0 ~ 100			

Communication and Mechanical

Display		Graphic LCD			
RCR Interface		Yes, programmable			
Communication Interface		Ethernet, RS485 and optional Wi-Fi			
Dimension (W / H / D)	mm	418 / 485 / 190	418 / 485 / 196		
Weight	kg	23	24	24	27
DC-Switch		Integrated			

Certificate & Regulation

Grid Connection		VDE-AR-N 4105, VDE0126-1-1/A1		
Safety		IEC 62109-1 & IEC 62109-2		
EMC		EN61000-3-2 EN61000-3-3	EN61000-3-11, EN61000-3-12	EN61000-6-3 EN61000-3-11 EN61000-3-12
		EN61000-6-2		

*1. For rated AC power 2. Specifications are subject to changed without prior notice

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