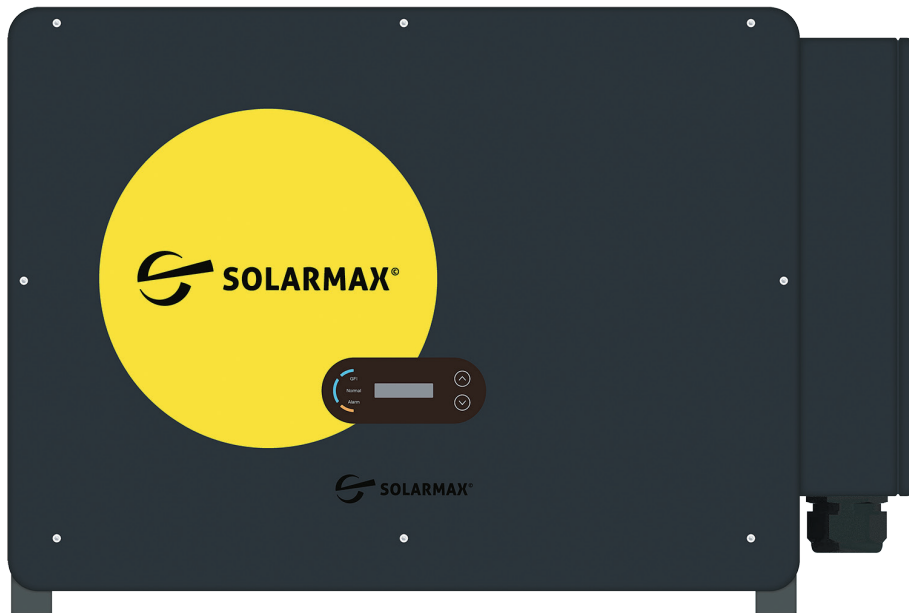




# 125SXT

The economical inverter for PV parks,  
Industrial plants and AGRI Photovoltaics



10 MPP trackers with  
each 2 string inputs



Wide input voltage range  
Variable system planning



Perfectly suited for outdoor use



10 years  
standard warranty



Integrated surge arresters  
DC & AC each type 2



Three-phase 400 V  
inverter

*More. Future.*

## Technical specifications

<b>125SXT</b>	
<b>Input values</b>	
MPPT voltage range	180 V - 1,000 V
MPPT voltage range at nominal power	500 V - 850 V
Maximum DC voltage	1,100 V
Minimum DC voltage for shutdown	200 V
Minimum DC voltage for shutdown	180 V
Number of MPP trackers	10
Number of string connections	20
Maximum DC current per MPPT	40 A
Maximum DC short circuit current per MPPT	50 A
Connection type DC	MC4
<b>Output values</b>	
Nominal power	110 kW
Maximum apparent power	125 kVA @ 45° C / 110 kVA @ 50° C
Maximum AC current	190 A @ 380 V / 181.2 A @ 400 V / 174 A @ 415 V
Mains nominal voltage	3 / N / PE, 380 V / 400 V / 415 V
Mains voltage range <sup>1</sup>	310 Vac - 480 Vac
Mains frequency <sup>1</sup>	50 Hz / 60 Hz
Mains frequency range	45 Hz ... 55 Hz / 55 Hz ... 65 Hz
Power factor cos (φ)	Adjustable from 0.8 overexcited to 0.8 underexcited
Distortion factor at rated output power	< 1 % (@ 100 % P)
Power input at night	< 1 W
Connection type	Screw terminals
<b>Efficiency</b>	
Maximum efficiency	98.75 %
European efficiency	98.30 %
<b>Ambient conditions</b>	
Protection class	IP66
Ambient temperature range	- 30° C ... + 60° C
Relative humidity	0 % ... 100 % (non condensing)
Cooling	Intelligent active air cooling
Maximum operating height above sea level	4,000 m
Noise emission	≤ 75 dB
<b>Equipment</b>	
Display	LCD
Inverter topology	Transformerless
DC disconnect	Integrated
DC polarity inversion protection	Integrated
Residual current monitoring unit (RCMU)	Integrated
Protection class (IEC 62109-1)	I
Overvoltage category (IEC 62109-1)	AC: III / DC: II
AC/DC surge arrester	Type 2 / Type 2
<b>Standard &amp; guidelines</b>	
EMV	EN61000-6-2, EN61000-6-4
Grid connection	VDE-AR-N 4105, VDE-AR-N 4110,
Device safety	IEC62109-1/2, IEC62116, IEC61727, IEC61683
<b>Interfaces</b>	
Data communication	RS485 / WiFi
<b>Weight &amp; dimensions</b>	
Weight	75 kg
Dimensions (W × H × D)	970 mm × 695 mm × 325 mm
<b>Warranty</b>	
Standard warranty	10 years



The quality management system of SOLARMAX GmbH is certified according to ISO 9001.

The environmental management system is certified according to ISO 14001.

<sup>1)</sup> Output voltage and frequency can vary depending on country setting and grid code.

All rights, modifications and errors excepted.

