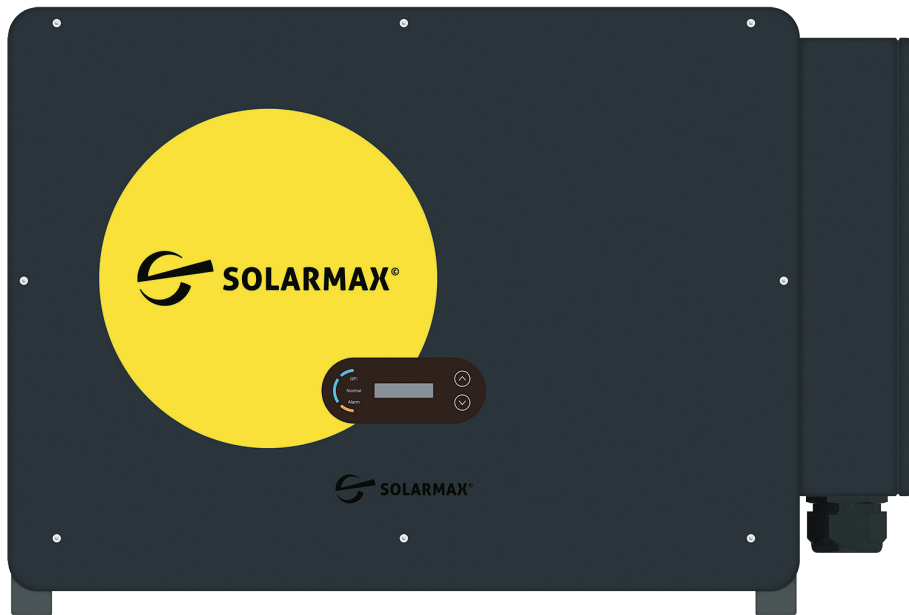


# 110SXT

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

## Technical specifications

<b>110SXT</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	1,000 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	26 A
Maximum DC short circuit current per MPPT	40 A
Connection type DC	MC4
<b>Output values</b>	
Nominal power	110 kW
Maximum apparent power	121 kVA
Maximum AC current	175 A
Mains nominal voltage	400 V (3 L + N + PE)
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 ( $\varphi$ )	Adjustable from 0.8 overexcited to 0.8 underexcited
Distortion factor at rated output power	< 3 %
Power input at night	< 2 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	≤ 60 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)	III
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
<b>Weight &amp; dimensions</b>	
Weight	90 kg
Dimensions (W × H × D)	996 mm × 664 mm × 368 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.

1) Output voltage and frequency can vary depending on country setting and grid code.

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