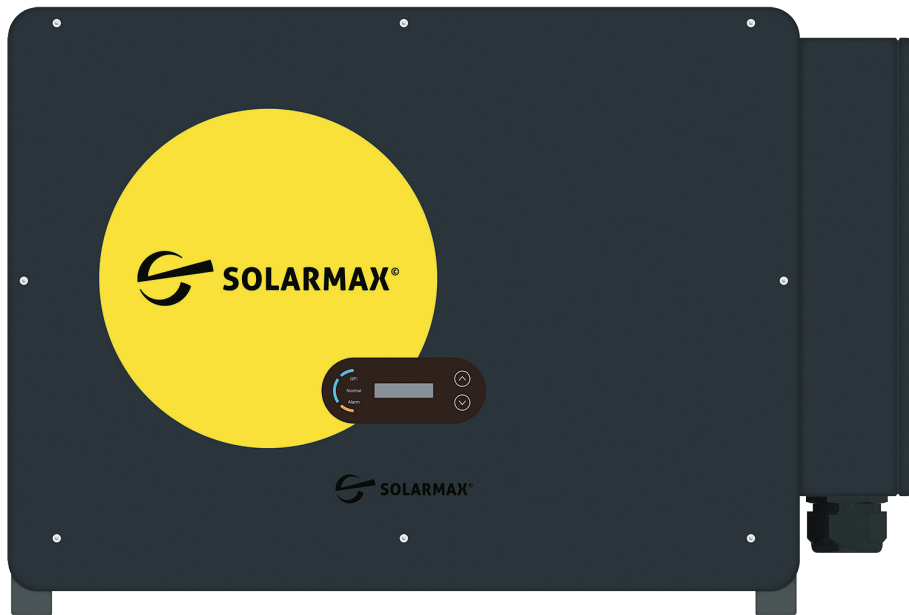


# 110SXT

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



10 MPP trackers with  
each 2 string inputs



10 years  
standard warranty



180 - 1.000 V  
Wide input voltage range  
Variable system planning



Integrated surge arresters  
DC & AC each type 2



Perfectly suited for outdoor use



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
Maximum 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 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 disconnecter	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 x H x D)	996 mm x 664 mm x 368 mm
<b>Warranty</b>	
Standard warranty	10 years



The quality management system of SOLARMAX GmbH is certified according to ISO 9001:2015.

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

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