

# X3

10T~36T

## THREE PHASE INVERTERS



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SolaX have developed a range of three phase inverters unrivalled in the industry for their quality, reliability and efficiency.

The SolaX three-phase inverters boast a wide MPPT voltage range to allow for more energy harvesting and have a maximum input voltage of 1000V. In addition, all SolaX three-phase inverters are IP65 rated, have an integrated DC switch, WIFI as standard and an OptiCool temperature controlled fan.



X3



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### Get in touch now:

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## X3 THREE PHASE

ZDNY-TL10000 ZDNY-TL12000 ZDNY-TL15000 ZDNY-TL17000 ZDNY-TL20000

## X3 THREE PHASE

X3-30T

X3-36T

INPUT (DC)							
Max.recommended DC power [W]	10260	12300	15370	17420	20500	36000	43200
Max. input DC voltage [V]			1000			1000	
Max. input current [A]	A:22/B:11	A:22/B:11	A:22/B:22	A:22/B:22	A:22/B:22	A:34/B:34	
MPPT voltage range [V]	320-800	380-800	350-800	400-800	400-800	480-850	580-850
Start input/output voltage [V]			220/400			300	
Number of MPP tracker/strings per MPP tracker	2/A:3 B:1	2/A:3 B:1	2/A:3 B:3	2/A:3 B:3	2/A:3 B:3	2/A:4 B:4	
OUTPUT (AC)							
AC nominal power [VA]	10000	12000	15000	17000	20000	30000	36000
Max. AC power [VA]	10000	12000	15000	17000	20000	33000	40000
Norminal AC voltage; range [V]			50; 44-55 / 60;55-65			3/PE 380, 400;+/-10%; 3/N/PE 380, 400;+/-10%; 3/PE 480;+/-10%; 3/N/PE 480;+/-10%;	
AC grid frequency; range [Hz]			3/N/PE 230/400; 160-280			50;45-55 / 60;55-65	
Max. AC current [A]	16	20	24	25	29	48*3	48*3
Power factor (full load)			0.9 leading ~ 0.9lagging			0.8 leading ~ 0.8 lagging	
Total harmonic distortion(THD) [%]			<3			<2	
POWER CONSUMPTION							
Standby power [W]			<10			<7	
EFFICIENCY							
MPPT efficiency [%]			99.9			99.9	
Euro efficiency [%]			97.6			98.3	
Max. efficiency [%]			98.2			98.6	
SAFETY & PROTECTION							
Over voltage protection			YES			YES	
Over current protection			YES			YES	
DC isolation impedance monitoring			YES(optional)			YES	
Ground fault current monitoring			YES			YES	
DC injection monitoring			YES			YES	
RCD protection			YES			YES	
Safety			IEC62109-1/IEC62109-2/AS3100			IEC62109-1/IEC62109-2/AS3100	
EMC			EN 61000-3-2/EN 61000-3-3/EN 61000-3-11/EN 61000-3-12/EN 61000-6-2/EN 61000-6-3			EN 61000-3-2/EN 61000-3-3/EN 61000-3-11/EN 61000-3-12/EN 61000-6-2/EN 61000-6-3	
Certification			G83;G59;VDE0126;VDE4105;CQC;IEC62172;IEC62116;IEC61683;IEC60068			NB/T 32004-2013/ZVRT/VDE4105/G59/3/AS4777	
ENVIRONMENTAL PARAMETERS							
Protection class			IP55			IP65	
Operating temperature [°C]			-25~+60 (derating at 45)			-20~ +60(derating at 45)	
Humidity [%]			0~95 (non-condensing)			0~95	
Attitude [m]			2000			2000	
Storage temperature [°C]			-20~60			-25~60	
Noise emission [dB]			<50			<50	
DIMENSIONS & WEIGHT							
Dimensions (W*H*D) [mm]			513 x 651.5 x 207			660*610*260	
Weight [Kg]	48	48	50.5	50.5	51	60	
GENERAL DATA							
Topology			Transformerless			Transformerless	
Communication interface			RS485 / RS232 / WIFI (optional) / DRM			RS485 / WIFI (optional) / Ethernet / DRM	
Display			Backlight 128*64 point LCD			4 LED	
Standard warranty(years)			5-10 (Dependent On Territory)			5-10	
Cooling type			Forced-cooling			Forced-cooling	