X3
10T~36T

THREE PHASE INVERTERS



X3 THREE PHASE INVERTER

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

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

X3

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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 norminal 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	