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 intagrated DC switch, WIFI as standard and an OptiCool temperature controlled fan.

X3-30T~36T

ZDNY-TL10000~TL20000

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	X3-30T	X3-36T	ZDNY-TL10000	ZDNY-TL12000	ZDNY-TL15000	ZDNY-TL17000	ZDNY-TL20000
INPUT (DC)							
Max.recommended DC power [W]	36000	43200	10260	12300	15370	17420	20500
Max. input DC voltage [V]	1000				1000		
Max. input current [A]	A:34/B:34		A:22/B:11	A:22/B:11	A:22/B:22	A:22/B:22	A:22/B:22
MPPT voltage range [V]	480-850	580-850	320-800	380-800	350-800	400-800	400-800
Start input/output voltage [V]	300				220/250		
Number of MPP tracker/strings per MPP tracker	2/A:4 B:4		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
OUTPUT (AC)							
AC norminal power [VA]	30000	36000	10000	12000	15000	17000	20000
Max. AC power [VA]	33000	40000	10000	12000	15000	17000	20000
Norminal AC voltage; range [V]	3/PE 380, 400;+/-10%; 3/N/PE 380, 400;+/-10%; 3/PE 480;+/-10%; 3/N/PE 480;+/-10%;				50; 44-55		
AC grid frequency; range) [Hz]	50;45-55 / 60;55-65				3/N/PE 230/400; 160-280		
Max. AC current [A]	48*3	48*3	16	20	24	25	29
Power factor (full load)	0.8 leading ~ 0.8 lagging				0.9 leading ~ 0.9lagging		
Total harmonic distortion(THD) [%]	<2				<3		
POWER CONSUMPTION							
Standby power[W]	<7				<10		
EFFICIENCY							
MPPT efficiency[%]	99.9				99.9		
Euro efficiency[%]	98.3				97.6		
Max. efficiency[%]	98.6				98.2		
SAFETY & PROTECTION							
Over voltage protection	YES				YES		
Over current protection	YES				YES		
DC isolation impedance monitoring	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	NB/T 32004-2013/ZVRT/VDE4105/G59/3/AS4777				G83;G59;VDE012;VDE4105;CQC;IEC62172;IEC62116;IEC61683;IEC60068		
ENVIRONMENT LIMITS							
Protection class	IP65				IP55		
Operating temperature[°C]	-20~ +60(derating at 45)				-25~+60 (derating at 45)		
Humidity[%]	0~95				0~95 (non-condensing)		
Attitude[m]	4000				2000		
Storage temperature[°C]	-25~60				-20~60		
Noise emission[dB]	<50				<50		
DIMENSION & WEIGHT							
Dimensions(W*H*D) [mm]	660*610*260				513 x 651.5 x 207		
Weight[Kg]	60		48	48	50.5	50.5	51
GENERAL DATA							
Topology	Transformerless				Transformerless		
Communication interface	Rs485 / WIFI (optional) / Ethernet / DRM				RS485 / RS232 / WIFI (optional) / DRM		
Display	4 LED				Backlight 16*2 character		
Standard warranty[years]	5 (10 optional)				5 (10 optional)		
Cooling type	Natural				Natural		