

Three Phase String Inverter **X3-Mic**



**Small Inverter
Big Performance**



Wide Product
Range



High
Efficiency



IP65
Rated



Remote
Monitoring

4kW

10kW

X3-4.0-T X3-10.0-T/X3-4.0-S/X3-5.0-S

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 800V, with a maximum efficiency of 98.5%. In addition, SolaX three phase inverters are IP65 rated, have no internal fan and come with optional 'plug & play' WIFI. Monitoring Platform: SolaX Portal.





X3-4.0-T X3-5.0-T X3-6.0-T X3-7.0-T X3-8.0-T X3-9.0-T X3-10.0-T X3-4.0-S X3-5.0-S

INPUT (DC)

Max.PV array power [Wp]	5200	6500	7800	8400	9600	10800	12000	4800	6000
Max.DC voltage [V]	800	800	800	1000	1000	1000	1000	1000	1000
Nominal DC operating voltage [V]	600	600	600	600	600	600	600	600	600
Max. input current [A]	11/11	11/11	11/11	11/11	11/11	11/11	11/11	11	11
Max. short circuit current [A]	14/14	14/14	14/14	14/14	14/14	14/14	14/14	14	14
MPPT voltage range[V]	160-750	160-750	160-750	160-900	160-900	160-900	160-900	160-900	160-900
Start operating voltage[V]	180	180	180	180	180	180	180	180	180
No. of MPP trackers	2	2	2	2	2	2	2	1	1
Strings per MPP tracker	1	1	1	1	1	1	1	1	1

OUTPUT AC

Nominal AC power [VA]	4000	5000	6000	7000	8000	9000	10000	4000	5000
Max. AC power [VA]	4000	5000	6000	7000	8000	9000	10000	4000	5000
Nominal grid voltage(AC voltage range) [V]	3/N/PE, 3/PE, 230/400(310-480)								
Nominal grid frequency/range [Hz]	50/60;±5								
Nominal AC current [A]	5.8	7.2	8.7	10.1	11.6	13.0	14.5	5.8	7.2
Max. AC current [A]	6.4	8.0	9.6	11.2	12.8	14.4	16.0	6.4	8.0
Displacement power factor	0.8leading-0.8lagging								
THDi, rated power [%]	<2								

EFFICIENCY

MPPT efficiency [%]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
Euro efficiency [%]	97.8	97.8	97.8	98	98	98	98	97.8	97.8
Max. efficiency [%]	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.3	98.3

POWER CONSUMPTION

Standby consumption (Night) [W]	<3
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STANDARD

Over voltage protection	YES
Over current protection	YES
DC isolation impedance monitoring	YES
Ground fault current monitoring	YES
DC injection monitoring	YES
RCD protection	YES
Safety	EN62109-1/-2
EMC	EN61000-6-1;EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3
Certification	AS4777; VDE4105; G98; G99; EN50549; CEI0-21

ENVIRONMENT LIMIT

Degree of protection(according to IEC60529)	IP65
Operating temperature range [°C]	-25~+60(derating at 45)
Max. operation altitude [m]	2000
Humidity [%]	0~100,condensing
Storage temperature [°C]	-25~60
Typical noise emission [dB]	<35

DIMENSION AND WEIGHT

Dimensions(WxHxD) [mm]	534*419*201								
Weight[kg]	30	30	30	30	30	30	30	28	28
Cooling concept	Natural								
Topology	Non-isolated								
Communication interfaces	RS485/DRM/Pocket WiFi(optional)/Pocket LAN (optional)/Pocket GPRS (optional)/Meter (optional)/USB-upgrade								
LCD display	Backlight 20*4 character								
Standard warranty [years]	5-10								