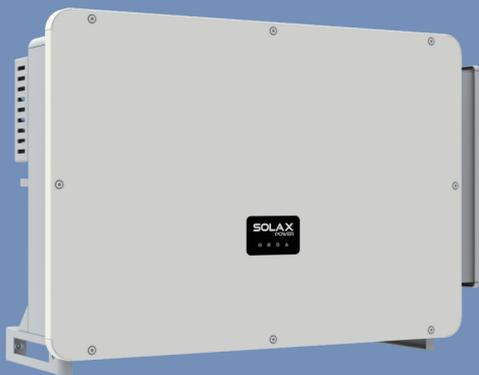




PARTNER

NEW FROM SOLAX X3-FORTH



X3-FORTH

75kW/80kW/100kW/110kW
120kW/125kW/136kW/150kW

Features

More energy harvest

- Maximum efficiency up to 99%
- 180~1000Vdc MPPT voltage range
- Maximum 12 MPPTs, 2 strings per MPP tracker
- 150% PV oversizing input, 110% overloading output
- Maximum 32A MPPT current

Safety & Reliability

- IP66 protection level
- AFCI protection (Optional)
- AC terminal temperature detection
- Both AC&DC SPDs(Type II) inside, Type I+II SPD is optional

Intelligence for easy maintenance and economy

- Built-in export power control
- Remote setting and upgrading
- 24 hours operation monitoring
- Smart I-V Curve Diagnosis supported
- Night-time reactive power compensation
- Aluminium AC cable connection available
- Power line communication (PLC)(Optional)
- Fuse free design with smart string current monitoring
- Smart air cooling technique results in long lifetime of fans
- Advanced heat dissipation technology makes the system more than 5% lighter and smaller

Contact Us for More Information

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DC INPUT

Max. PV input power [kWp]	120	120	150	165	180	188	204	225
Max. PV input voltage [V] ^①	1100							
Nominal input voltage [V] ^②	580/600	580/600	580/600	580/600	580/600	580/600	730/785	730/785
Start-up voltage [V]	200							
MPPT voltage range [V] ^③	180-1000							
No. of MPP trackers	9	9	9/12 ^④	9/12 ^④	12	12	12	12
Strings per MPP tracker	2							
Max. PV input current per MPPT [A]	32							
Max. input short circuit current Isc per MPPT [A]	46							

AC OUTPUT

Rated AC output power [kW]	75	80	100	110	120	125	136	150
Rated AC output current [A] ^②	113.7/108.7	121.3/116	151.6/145	166.7/159.5	181.9/174	189.4/181.2	157.1/145.4	173.2/160.4
Max. AC output apparent power [kVA]	75	88	110	121kW	132kW	132	149.6kW	165kW
Max. AC output current [A] ^②	113.7/108.7	133.4/127.6	166.7/159.5	183.4/175.4	200/191.3	200/191.3	172.8/160	190.6/176.5
Nominal AC voltage [V]	220/380, 230/400, 3W/(N)/PE						500/540, 3W/PE	
AC voltage range [V] ^⑤	304 ~ 480						425 ~ 594	
Nominal AC frequency/AC frequency range [Hz] ^⑤	50/60; ±5							
THDi (Rated power) [%]	<3							
Adjustable power factor range	0.8 leading ~ 0.8 lagging							

SYSTEM DATA

Max. Efficiency [%]	98.6	98.6	98.6	98.6	98.6	98.6	99.0	99.0
European weighted efficiency [%]	98.3						98.5	
Ingress protection	IP66							
Operating ambient temperature range [°C]	-25 ~ +60							
Max. operation altitude [m]	4000							
Relative humidity [%]	0 ~100							
Dimensions (WxHxD) [mm]	985*660*327.5							
Weight [kg]	83	83	83	83	87	87	87	87
Cooling concept	Smart fan cooling							
Communication interfaces	RS485 / USB / DRM / PLC(Optional)							
Optional monitoring dongle	Pocket WiFi/LAN/4G							
Display	LCD(16x2, optional)/LEDx4							

PROTECTION

Over/under voltage protection	YES
DC isolation protection	YES
Grid monitoring	YES
DC injection monitoring	YES
Residual current detection	YES
Anti-islanding protection	YES
String fault detection	YES
SPD (DC/AC)	Type II / Type II
Arc-fault circuit interrupter(AFCI)	Optional
AC terminals over temperature detection	YES
AC auxiliary power supply(APS)	Optional
Power line communication(PLC)	Optional

STANDARD

Safety	IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004
EMC	IEC/EN 61000; NB/T 32004
Certification	EN 50549; AS4777.2; VDE4105; IEC 61727; IEC 62116; IEC 61683; IEC 60068; EN 50530; NB/T 32004; NRS097; G99; RD1699; PPDS; CE10-21; CE10-16; VFR 2019; VDE4110

① The maximum input voltage represents the highest DC voltage threshold for the inverter, approaching which power derating occurs and any further increase might lead to potential damage to the inverter.
 ② The two data refer to different grid voltage 220V/230V(75~125kW models) or 500V/540V(136~150kW models).
 ③ Please refer to the user manual for the MPPT voltage range at full load condition. PV voltage out of the full load MPPT range will trigger the inverter derating protection or possibly cause damage to the inverter if it exceeds the Max. input voltage.
 ④ 9/12MPPTs is optional for 100kW and 110kW models.
 ⑤ The AC voltage and the frequency range may vary from different country codes.