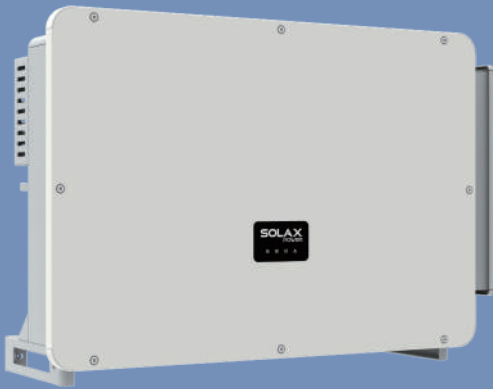


NEW FROM SOLAX

X3-FORTH



X3-FORTH

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



X3-FORTH (THREE PHASE)

X3-FTH-80K X3-FTH-100K X3-FTH-110K X3-FTH-120K X3-FTH-125K X3-FTH-136K-MV X3-FTH-150K-MV

DC INPUT

Max. PV array input power [kWp]	120	150	165	180	188	204	225
Max. PV input voltage [V]	1100	1100	1100	1100	1100	1100	1100
Nominal input voltage [V]*	580/600	580/600	580/600	580/600	580/600	730/785	730/785
Startup voltage [V]	200	200	200	200	200	200	200
MPP tracker voltage range [V]	180~1000	180~1000	180~1000	180~1000	180~1000	180~1000	180~1000
No. of MPP trackers	9	9	9	12	12	12	12
Strings per MPP tracker				2			
Max. PV input current per MPPT [A]				32			
Isc PV Array Short Circuit current per MPPT [A]				46			

AC OUTPUT

Rated AC output power [kW]	80	100	110	120	125	136	150
Rated AC output current [A]*	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]	88	110	121	132	132	149.6	165
Max. AC output current [A]*	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, 3/N/PE, 3/PE		500/540,3P3W+PE	500/540,3P3W+PE
AC voltage range [V]**				304 ~ 480			425 ~ 594
Nominal AC frequency/AC frequency range [Hz]**				50/60; ±5			
THDi (Rated power) [%]				<3			
Power Factor range				0.8 leading ~ 0.8 lagging			

SYSTEM DATA

MPPT efficiency [%]				99.9			
Max. efficiency [%]	98.6	98.6	98.6	98.6	98.6	99.0	99.0
Ingress protection				IP66			
Operating ambient temperature range [°C]				-30~+60 (Derating above 45)			
Max. operation altitude [m]				4000 (Derating above 3000)			
Relative humidity [%]				0~100			
Dimensions [WxHxD] [mm]				985x660x327.5			
Weight [kg]	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			

* The two data refer to different grid voltage 220V/230V or 500V/540V

** The AC voltage and the frequency range may vary from different country codes