



X3-FORTH (THREE PHASE)

X Without LCD L With LCD

NEW FROM SOLAX

X3-FORTH



X3-FORTH

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

Features

More energy harvest

- Maximum efficiency, 99%
- 180-1000Vdc MPPT voltage range
- Maximum 12 MPPTs, 2 strings per MPPT tracker
- 150% PV oversizing input, 110% overloading output
- Maximum 32A MPPT current, 16A per string

Safety & Reliability

- IP66 protection level
- AFCI protection (optional)
- AC terminal temperature detection
- Both AC & DC SPDs (Type II) inside, TYPE I 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
- SVG functional support (optional)
- Aluminum AC cable connection available
- Power line communication (PLC) (optional)
- Fuse free design with smart string current monitoring
- Smart air cooling technique result in long lifetime of fans
- Advanced heat dissipation technology makes the system more than 5% lighter and smaller

Contact Us for More Informations

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DC INPUT

	X3-FTH-80K	X3-FTH-100K	X3-FTH-110K	X3-FTH-120K	X3-FTH-136K	X3-FTH-150K
Max. PV array input power (kWp)	120	150	165	180	204	225
Max. PV input voltage (V)	1100	1100	1100	1100	1100	1100
Startup voltage (V)	200	200	200	200	200	200
Nominal input voltage (V)	580/600	580/600	580/600	580/600	730/785	730/785
MPPT tracker voltage range (V)	180-1000	180-1000	180-1000	180-1000	180-1000	180-1000
No. of MPPT trackers	9	9	9	12	12	12
Strings per MPPT tracker	2	2	2	2	2	2
Max. input current per MPPT (A)	32	32	32	32	32	32
Max. short circuit current per MPPT (A)	46	46	46	46	46	46

AC OUTPUT

	X3-FTH-80K	X3-FTH-100K	X3-FTH-110K	X3-FTH-120K	X3-FTH-136K	X3-FTH-150K
Nominal AC output power (kW)	80	100	110	120	136	150
Nominal AC output current (A)	121.5/116	151.6/145	166.7/159.5	181.9/174	157.1/145.4	173.2/160.4
Max. AC output apparent power (kVA)	88	110	121	132	149.6	165
Max. AC output current (A)	133.4/127.6	166.7/159.5	183.4/175.4	200/191.3	172.8/160	190.6/176.5
Nominal AC voltage (V)	3 x 220 /380, 3 x 230/400, 3W+1N+PE					
Nominal grid frequency (Hz)	50 (4.5)					
Displacement power factor	0.8 leading-0.8 lagging					
THDI (rated power) (%)	<3					

SYSTEM DATA

MPPT efficiency (%)	99.9					
Max. efficiency (%)	98.6	98.6	98.6	98.6	99.0	99.0
Ingress protection	IP66					
Operating temperature range (°C)	-25~+60 (derating at 45)					
Max. operation altitude (m)	4000 (Derating above 3000)					
Humidity (%)	0-100					
Dimensions (W×H×D) (mm)	985*660*327.5					
Weight (kg)	77	77	77	83.3	83.3	83.3
Cooling concept	Smart fan cooling					
Communication interfaces	RS485 / Pocket Wi-Fi/ Pocket 4G(Optional) / Bluetooth/ USB					

PROTECTION

Over/under voltage protection	YES					
DC isolation protection	YES					
Grid monitoring	YES					
DC injection monitoring	YES					
Residual current detection	YES					
Anti-standing protection	YES					
String fault detection	YES					
SPD	Type II		Type II			
ARC	OPT					

STANDARD

EMC	IEC/EN 62109-1/-2, NB/T 32004-2018 (China)					
Safety	IEC/EN 61000-6-2, IEC/EN 61000-6-4, NB/T 32004-2018 (China)					
Certification	NB/T 32004-2018 (China), EN 50549, AS4771, VDE4105, IEC 61727, IEC 62116, IEC 61683, IEC 60068, EN 50550					

*Can be modified without notice (V2.2)