

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 MPP 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 supported (optional)
- Aluminium 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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X3-FORTH (THREE PHASE)

X: Without LCD L: With LCD

	X3-80K-9X	X3-100K-9X	X3-110K-9X	X3-120K-12X	X3-136K-MV-12X	X3-150K-MV-12X
	X3-80K-9L	X3-100K-9L	X3-110K-9L	X3-120K-12L	X3-136K-MV-12L	X3-150K-MV-12L

DC INPUT

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
MPP tracker voltage range [V]	180~1000	180~1000	180~1000	180~1000	180~1000	180~1000
No. of MPP trackers	9	9	9	12	12	12
Strings per MPP 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

Nominal AC output power [kW]	80	100	110	120	136	150
Nominal AC output current [A]	121.3/116	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+(N)+PE			500/540,3P3W+PE		500/540,3P3W+PE
Nominal grid frequency [Hz]	50 (±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[WxHxD] [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-islanding protection	YES
String fault detection	YES
SPD	Type II
ARC	OPT

STANDARD

Safety	IEC/EN 62109-1/-2, NB/T 32004-2018 (China)
EMC	IEC/EN 61000-6-2, IEC/EN 61000-6-4, NB/T 32004-2018 (China)
Certification	NB/T 32004-2018 (China), EN 50549, AS4777, VDE4105, IEC 61727, IEC 62116, IEC 61683, IEC 60068, EN 50530

*Can be modified without notice.(V2.2)