

NEW FROM SOLAX

X3-FORTH-LV



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40kW/50kW/60kW/70kW

Features

More energy harvest

- Maximum efficiency 97.5%
- 180~650Vdc MPPT voltage range
- Maximum 9 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 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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X3-FORTH-LV (THREE PHASE)

X3-FTH-40K-LV

X3-FTH-50K-LV

X3-FTH-60K-LV

X3-FTH-70K-LV

DC INPUT

Max. PV array input power [kWp]	60	75	90	105
Max. PV input voltage [V]	800	800	800	800
Nominal input voltage [V]	360	360	360	360
Startup voltage [V]	200	200	200	200
MPP tracker voltage range [V]	180~650	180~650	180~650	180~650
No. of MPP trackers	6	6	9	9
Strings per MPP tracker	2	2	2	2
Max. input current per MPPT [A]	32	32	32	32
Max. short circuit current per MPPT [A]	46	46	46	46

AC OUTPUT

Nominal AC output power [kW]	40	50	60	70
Nominal AC output current [A]	105	131.3	157.5	183.7
Max. AC output apparent power [kVA]	44	55	66	70
Max. AC output current [A]	115.5	144.5	173.5	183.7
Nominal AC voltage [V]	127/220, 3/N/PE, 3/PE			
Nominal grid frequency [Hz]	50/60			
Displacement power factor	0.8 leading ~ 0.8 lagging			
THDi (Rated power) [%]	<3			

SYSTEM DATA

Max. efficiency [%]	97.5			
Protection level	IP 66			
Operating temperature range [°C]	-25 ~ +60 (Derating above 45)			
Max. operation altitude [m]	4000(Derating above 3000)			
Relative humidity [%]	0~100			
Dimensions (WxHxD) [mm]	985 * 660 * 327.5			
Weight [kg]	80.5	80.5	83	83
Cooling concept	Smart fan cooling			
Communication interfaces	RS485 / (Optional: Pocket Wifi/LAN/4G) / PLC(Optional) / USB			

PROTECTION

DC switch	YES
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	Optional

STANDARD

Safety Standard	IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004
EMC	IEC/EN 61000; NB/T 32004
Certification	NB/T 32004; IEC 61727; IEC62116; VDE4110; VDE4105; En50549; NRS097; G99; Rd1699; PPDS2020; CEI0-21; CEI0-16; VFR 2019

Note: The AC voltage and the frequency range may be different according to different country *V1.1. Information may be subject to modify without notice.650.00005.00