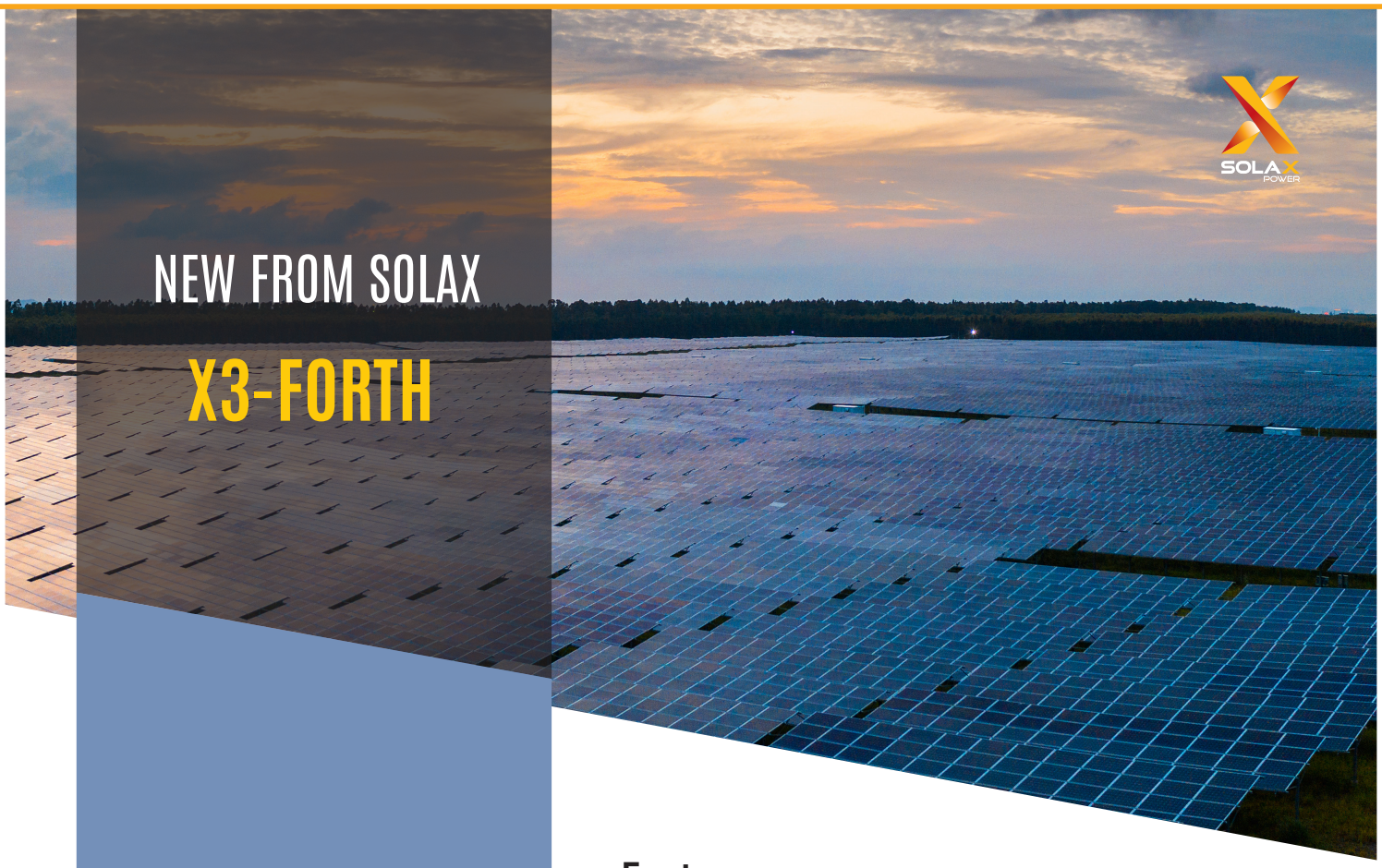
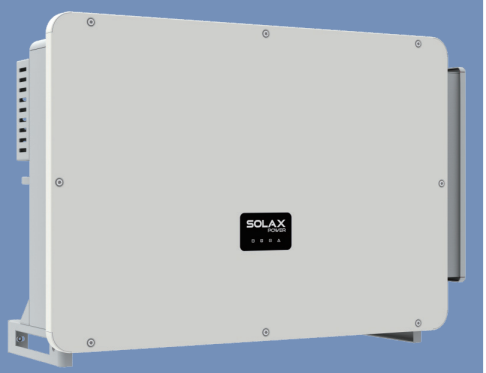




X3-FORTH

75kW/80kW/100kW
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

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SOLAX POWER

X3-FORTH (THREE PHASE)

	X3-FTH-75K	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	120	150	165	180	188	204	225
Max. PV input voltage [V]	1100							
Nominal input voltage [V]*	580/600	580/600	580/600	580/600	580/600	580/600	730/785	730/785
Startup voltage [V]	200							
MPP tracker voltage range [V]	180-1000							
No. of MPP trackers	9	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]	75	80	100	110	120	125	136	150
Rated AC output current [A]*	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]*	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, 3/N/PE, 3/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								
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 (Derating above 3000)							
Relative humidity [%]	0 ~100							
Dimensions (W×H×D) [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							

* 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

V2.9 Information may be subject to modify without notice.650.00001.00