Fronius بھردے اجالا زندگی میں ®
SOLAR ENERGY

SOLAX POWER

On-Grid Inverter

X3 FORTH

IP66 80KW / 100KW / 110KW / 125kW

MAXIMUM POWER

Smart Energy Solutions
for a Brighter Future!



IP66 Protection
Protect Inverter From Water & Dust Particles

150% PV Oversizing
Can Install 200% Solar Panels

Heat Dissipation
Prevent Inverter from Overheating

SCAN QR CODE
For More Details

Fronus SOLAR ENERGY بھردے اجالا زندگی میں ®

SOLAX POWER

X3 FORTH

DATA SHEET

DC INPUT	X3-FORTH-80KW	X3-FORTH-100K	X3-FORTH-110K	X3-FORTH-125K
Max. PV array input power [kWp]	120	150	165	188
Max. PV input voltage [V]			1100	
Nominal input voltage [V]*	580/600	580/600	580/600	580/600
Startup voltage [V]			200	
MPP tracker voltage range [V]			180-1000	
No. of MPP trackers	9	9	9	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	125
Rated AC output current [A]*	121.3/116	151.6/145	166.7/159.5	189.4/181.2
Max. AC output apparent power [kVA]	88	110	121	132
Max. AC output current [A]*	133.4/127.6	166.7/159.5	183.4/175.4	200/191.3
Nominal AC voltage [V]			220/380, 230/400, 3/N/PE, 3/PE	
AC voltage range [V]**			304 ~ 480	
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
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 [W×H×D] [mm]			985×660×327.5	
Weight [kg]	83	83	83	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 pr otection			YES	
DC isolation pr otection			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		