Fronus SOLAR ENERGY | SOLAX POWER

On-Grid Inverter

X3 MEGA G2

IP66 | **40KW / 50KW / 60KW**

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

Upto 98.4% Efficiency
Maximum Efficiency

SCAN QR CODE
For More Details

Fronus SOLAR ENERGY بھردے اجالا زندگی میں ®

SOLAX POWER

X3 MEGA G2

DATA SHEET

DC INPUT	X3-MGA-40K-G2	X3-MGA-50K-G2	X3-MGA-60K-G2
Max. PV array input power [kWp]	60	75	90
Max. PV input voltage [V]		1100	
Startup voltage [V]		200	
Nominal input voltage [V]		600	
MPP tracker voltage range [V]		180~1000	
No. of MPP trackers	4	5	6
Strings per MPP tracker	2	2	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]	40	50	60
Rated AC output current [A]*	60.6 / 58	75.8 / 72.5	90.9 / 87
Max. AC output apparent power [kVA]	44	55	66
Max. AC output current [A]*	66.7 / 63.8	83.3 / 79.7	100 / 95.7
Nominal AC voltage [V]		220/380V, 230/400V, 3/N/PE, 3/PE	
AC voltage range [V]**		304~460	
Nominal AC frequency / AC frequency range [Hz]**		50/60; ±5	
Power Factor range		0.8 leading ~ 0.8 lagging	
THDi (Rated power) [%]		<3	
SYSTEM DATA			
Max. efficiency [%]		98.4	
Euro. efficiency [%]		98.1	
Standby consumption [W] @Night		<2	
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]		630*521*286	
Weight [kg]	44	44.5	45.5
Cooling concept		Smart fan cooling	
Communication interfaces		RS485 / USB / DRM / PLC(Optional)	
Optional monitoring dongle		Pocket WiFi / LAN / 4G	
Display		LCD (16×2, optional) / LED×4	
PROTECTION			
Over/under voltage protection		YES	
Over current 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	
Over temperature protection		YES	
SPD (DC/AC)		Type II / Type II	
Arc-fault circuit interrupter (AFCI)		Optional	
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		EN/IEC 61000; NB/T 32004	
Certification		VDE4105; EN 50549; AS 4777.2; VDE4105; IEC 61727; IEC 62116; IEC 61683; IEC 60068; EN 50530; NB/T 32004	