Fronus SOLAR ENERGY | SOLAX POWER

On-Grid Inverter

X3 MIC G2

IP66 | **5KW / 10KW / 15KW**



EFFICIENCY REDEFINED

Seamless Energy Conversion
for a Brighter Tomorrow!

IP66 Protection
Protect Inverter From Water & Dust Particles

200% PV Oversizing
Can Install 200% Solar Panels

Heat Dissipation
Prevent Inverter from Overheating

Upto 98.3% Efficiency
Maximum Efficiency

SCAN QR CODE
For More Details

Fronus SOLAR ENERGY بھردے اجالا زندگی میں ®

SOLAX POWER

X3 MIC G2

DATA SHEET

DC INPUT	X3-MIC-5kW-G2	X3-MIC-10kW-G2	X3-MIC-15kW-G2
Max. PV array input power [Wp]	10000	20000	30000
Max. PV input voltage [V]	1000	1000	1000
Startup voltage [V]	150	150	150
Nominal input voltage [V]	640	640	640
MPP tracker voltage range [V]	120~980	120-980	120~980
No. of MPP trackers/Strings per MPP tracker	2(1/1)	2(1/1)	2(2/1)
Max. PV input current[A]	16/16	16/16	32/16
Isc PV Array Short Circuit current [A]	20/20	20/20	40/20
AC OUTPUT			
Rated AC output power [W]	5000	10000	15000
Rated AC output current [A]*	7.6/7.3	15.2/14.5	22.7/21.8
Max. AC output apparent power [VA]	5500	10000	15000
Max. AC output current [A]	8.0	15.2	22.7
Nominal AC voltage/AC voltage range [V]**		220/380V, 230/400V, 3/(N)/PE; (95-285V)*	
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 [%]		98.3	
Euro efficiency [%]		97.8	
Standby consumption (night) [W]		<3	
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	
Typical noise emission [dB]	<30	<45	<50
Storage temperature [°C]		-30~+60	
Dimensions (W×H×D) [mm]	342*434*144.5	342*434*156	342*434*156
Weight [kg]	15.5	17	18
Cooling concept	Natural cooling	Smart fan cooling	Smart fan cooling
Communication interfaces		USB/RS485/DRM, Optional: Meter	
Optional monitoring dongle		Pocket WiFi / LAN / 4G	
Display		2 x LED + LCD(16 x 2) / APP	
PROTECTION			
Over/under voltage protection		YES	
DC isolation protection		YES	
DC reverse protection		YES	
Grid monitoring		YES	
DC injection monitoring		YES	
Back feed current monitoring		YES	
Residual current detection		YES	
Anti-islanding protection		YES	
Over temperature protection		YES	
SPD (DC/AC)		Type II / Type II (Optional)	
Arc-fault circuit interrupter(AFCI)		Optional	
AC auxiliary power supply(APS)		Optional	
STANDARD			
Safety		IEC/EN 62109-1; IEC/EN 62109-2; NB/T 32004	
EMC		IEC/EN 61000; NB/T 32004	
Certification	VDE4105, EN 50549, AS 4777.2, VDE4105, G98/G99, IEC 61727, IEC 62116, IEC 61683, IEC 60068, EN 50530, NB/T 32004		