

NEW FROM SOLAX

X3-MEGA G2



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40kW/50kW/60kW

Features

More energy harvest

- Maximum efficiency 98.4%
- 180~1000Vdc MPPT voltage range
- Maximum 6 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)
- 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
- Smart I-V Curve Diagnosis supported
- Aluminium AC cable connection available
- Current measuring for each of PV string
- Night-time reactive power compensation
- 24 hours operation monitoring (Optional)
- Power line communication (PLC) (Optional)
- Smart air cooling technique results in long lifetime of fans
- Advanced heat dissipation technology makes the system more than 10% lighter and smaller

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DC INPUT

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. input current per MPPT [A]		32	
Max. short circuit current per MPPT [A]		46	

AC OUTPUT

Nominal AC output power [kW]	40	50	60
Nominal 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		
Nominal grid frequency [Hz]	50/60		
Displacement power factor	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 temperature range [°C]	-30~+60 (Derating above 45)		
Max. operation altitude [m]	4000 (Derating above 3000)		
Relative humidity [%]	0~100		
Dimensions [WxHxD] [mm]	630*521*286		
Weight [kg]	44	44.5	45.5
Cooling concept	Smart fan cooling		
Communication interfaces	RS485 / (Optional: Pocket WiFi/LAN/4G) / PLC(Optional) / USB		
Display	LCD (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		