

# X3-MEGA-G2

## THREE PHASE INVERTER



### PRODUCT SPECIFICATIONS



**Maximum Efficiency**  
Maximum Efficiency up to 99%



**MPPT Voltage Range**  
180~1000Vdc MPPT Voltage Range



**IP66 Protection**  
IP66 protection level



**Remote Access**  
Remote setting and upgrading



**24h Monitoring**  
24 hours operation monitoring



**Multiple MPPTs**  
Maximum 12 MPPTs, 2 strings per MPP tracker



**Smart Air Cooling**  
Smart Air Cooling Technique



**Export Power Control**  
Built-in export power control



**Heat Dissipation**  
Heat Dissipation Technology



### 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. 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

\* The two data refer to different grid voltage 220V/230V

\*\* The AC voltage and the frequency range may vary from different country codes

\*V2.6. Information may be subject to modify without notice. 650.00002.00