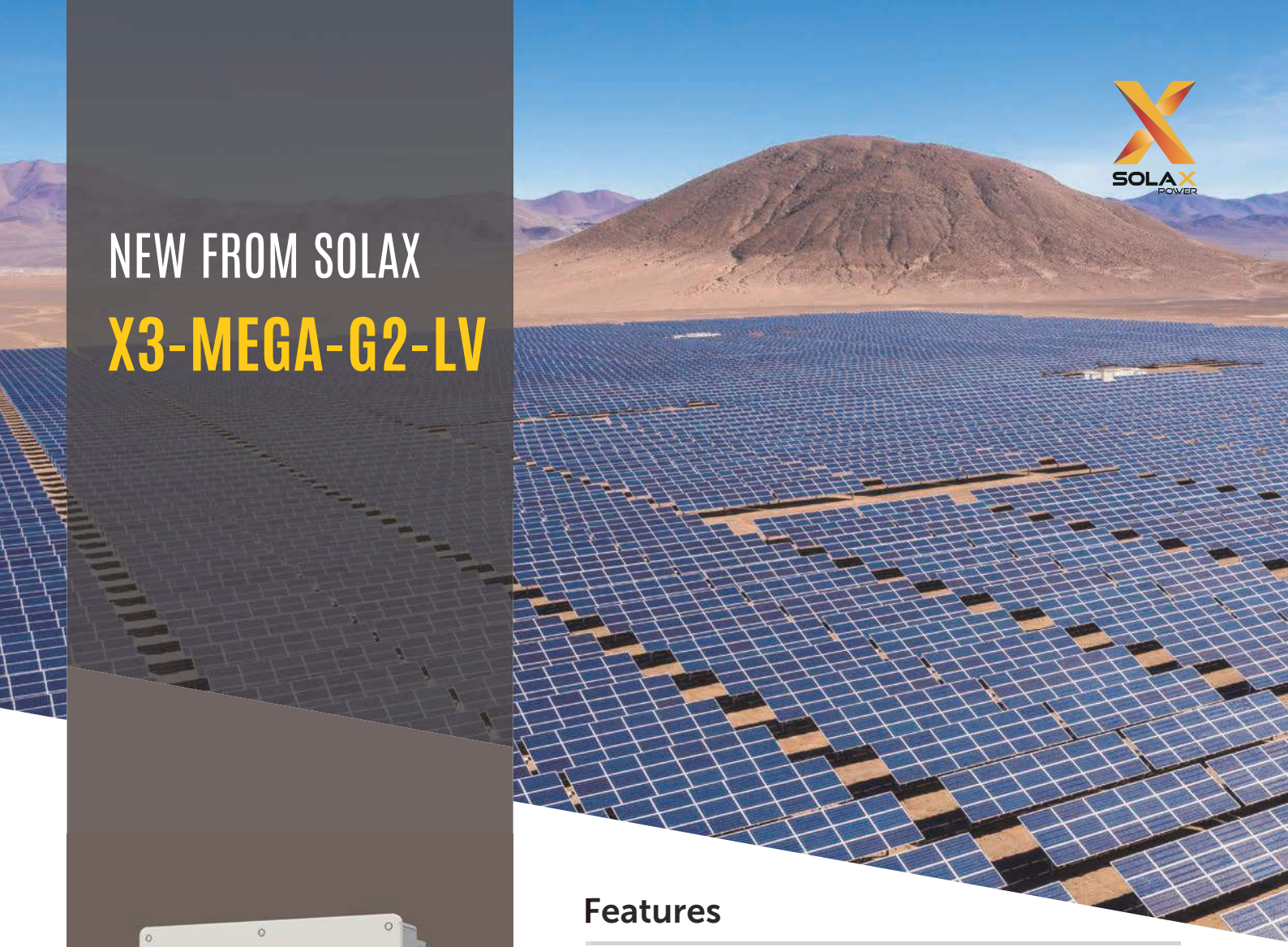


NEW FROM SOLAX

X3-MEGA-G2-LV



X3-MEGA-G2-LV

20kW/25kW/30kW/35kW

Features

More energy harvest

- Maximum efficiency 97.5%
- 180~650Vdc MPPT voltage range
- Maximum 5 MPPTs, 2 strings per MPP tracker
- 150% PV oversizing input, 110% overloading output
- Maximum 32A MPPT current, 16A per string

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
- SVG functional supported (Optional)
- 24 hours operation monitoring (Optional)
- Power line communication (PLC)(Pptional)
- Smart air cooling technique result in long lifetime of fans
- Advanced heat dissipation technology makes the system more than 10% lighter and smaller

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X3-MEGA-G2-LV

	X3-MGA-20K-G2-LV	X3-MGA-25K-G2-LV	X3-MGA-30K-G2-LV	X3-MGA-35K-G2-LV
INPUT(DC)				
Max. PV array input power [kWp]	30	37.5	45	52.5
Max. PV input voltage [V]	800			
Nominal input voltage [V]	360			
Startup voltage [V]	200			
MPP tracker voltage range [V]	180~650			
No. of MPP trackers	3	4	5	5
Strings per MPP tracker	2			
Max. input current per MPPT [A]	32			
Max. short circuit current per MPPT [A]	46			
OUTPUT(AC)				
Nominal AC output power [kW]	20	25	30	35
Nominal AC output current [A]	52.5	65.7	78.8	91.9
Max. AC output apparent power [kVA]	22	27.5	33	35
Max. AC output current [A]	57.8	72.2	86.7	91.9
Nominal AC voltage [V]	127/220, 3/N/PE, 3/PE			
Nominal grid frequency [Hz]	50/60			
THDi (Rated power) [%]	<3			
Displacement power factor	0.8 leading~0.8 lagging			
SYSTEM DATA				
Max. efficiency [%]	97.5			
Topology	Transformerlesss			
Protection level	IP66			
Operating temperature range [°C]	-25~+60 (Derating above 45)			
Relative humidity [%]	1~100			
Cooling concept	Smart fan cooling			
Max. operation altitude [m]	4000(Derating above 3000)			
Dimensions (W×H×D) [mm]	630×521×286			
Weight [kg]	44			
Display	LED indicators × 4			
Communication interfaces	RS485/PLC(Optional)/Pocket Wifi/LAN/4G (Optional)/ USB			
PROTECTION				
DC switch	YES			
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			
SPD (DC/AC)	Type II / Type II			
ARC	Optional			
Standard				
Safety	EN/IEC 62109-1; EN/IEC 62109-2; NB/T 32004			
EMC	EN/IEC 61000; NB/T 32004			
Certification	NB/T32004; IEC 61727; IEC 62116; VDE4110; VDE4105; EN50549; NRS097; G99; RD1699; PPDS2020; CEI0-21; CEI0-16; VFR 2019			

Note: The AC voltge and the frequency range may be different according to different country

**V2.1. Information may be subject to modify without notice.* 650.00007.00