

Datasheet Solax omvormers X1 Mini



NEW FROM SOLAX X1-MINI G3










X1-MINI G3

0.6kW/0.7kW/1.1kW/1.5kW
2.0kW/2.5kW/3.0kW/3.3kW/3.6kW

info@solaxpower.com
service@solaxpower.com



Features

-  Small and compact size
-  150% oversizing and 110% overloading
-  Max. DC input 14A per string
-  Low startup voltage and wide MPPT range
-  CT/Meter compatibility
-  Built-in SPD on both AC and DC side
-  Remote upgrade and maintenance

Contact Us for More Information

www.solaxpower.com Global: +86 571-56260008
AU: +61 1300 476529 UK: +44 2476 586998
DE: +49 6142 4091664 NL: +31 (0) 852 737932



X1-MINI G3

	X1-0.6-S-0(L) X1-0.6-S-N(L)	X1-0.7-S-0(L) X1-0.7-S-N(L)	X1-1.1-S-0(L) X1-1.1-S-N(L)	X1-1.5-S-0(L) X1-1.5-S-N(L)	X1-2.0-S-0(L) X1-2.0-S-N(L)	X1-2.5K-S-0(L) X1-2.5K-S-N(L)	X1-3.0K-S-0(L) X1-3.0K-S-N(L)	X1-3.3K-S-0(L) X1-3.3K-S-N(L)	X1-3.6K-S-0(L) X1-3.6K-S-N(L)
DC INPUT									
Max. PV array input power [Wp]	900	1050	1650	2250	3000	3750	4500	4950	5400
Max. DC input voltage [V]	450	450	450	450	450	550	550	550	550
Startup voltage [V]	50	50	50	50	50	70	70	70	70
Nominal input voltage [V]	360	360	360	360	360	360	360	360	360
MPP tracker voltage range [V]	45 ~ 430	45 ~ 430	45 ~ 430	50 ~ 430	50 ~ 430	55 ~ 530	55 ~ 530	55 ~ 530	55 ~ 530
No. of MPP trackers / Strings per MPP tracker	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Max. input current [A]	14	14	14	14	14	14	14	14	14
Max. short circuit current [A]	16	16	16	16	16	16	16	16	16
AC OUTPUT									
Nominal AC output power [W]	600	700	1100	1500	2000	2500	3000	3300	3680
Nominal AC output current [A]	2.61	3.04	4.78	6.52	8.7	10.8	13.04	14.3	16
Max. output apparent power [VA]	600/600 or 1050/1050	770	1210	1650	2200	2750	3300	3300	3680
Max. AC output current [A]	2.9	3.3	5.3	7.2	9.6	11.9	14.3	14.3	16
Nominal AC voltage [V]	220/230/240;180 ~ 280								
Nominal grid frequency / Grid frequency range [Hz]	50/60;±5								
Displacement power factor	0.8 leading ~ 0.8 lagging								
THDi (Rated power) [%]	<3								
SYSTEM DATA									
Max. Efficiency [%]	98								
Euro. Efficiency [%]	95.00	95.00	95.50	96.00	96.50	96.50	96.50	96.50	96.50
Standby consumption [W] @Night	0								
Degree of Protection	IP66								
Operating temperature range [°C]	-25 ~ +60 (derating at 45)								
Max. operation altitude [m]	≤2000								
Humidity [%]	0~100 (condensation)								
Typical noise emission [dB]	30								
Storage temperature [°C]	-30~+70								
Dimensions (WxHxD) [mm]	267 x 328 x 126								
Net weight [kg]	6	6	6	6	6	8.3	8.3	8.3	8.3
Cooling concept	Natural cooling								
Communication interfaces	RS485 / DRM / Pocket WiFi / (Optional: Pocket LAN/4G) / USB/ (Optional: CT/Meter)								
PROTECTION									
Over/under voltage protection	YES								
DC isolation protection	YES								
Monitoring ground fault 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	YES								
STANDARD									
Safety	EN/IEC62109-1/-2								
EMC	EN61000-6-1/2/3/4;EN61000-3-2/3/11/12								
Certification	IEC61727, EN50549, G98/G99, AS 4777.2, VDE4105, CEI 0-21, RD1699, UNE 206007-1, VFR								

* V3.1. Information may be subject to modify without notice.650.00020.00