










NEW FROM SOLAX

X1-BOOST G3



Features

-  Remote upgrade and maintenance
-  150% oversizing and 110% overloading
-  14A Max. DC input 14A per string
-  AC/DC built-in SPD
-  CT/Meter compatibility
-  Easy to install and setup
-  24h monitoring and maintenance (Optional)

X1-BOOST G3

3.0kW/3.3kW/3.6kW/4.2kW
4.6kW/5.0kW/5.5kW/6.0kW

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X1-3.0-T-D(L) X1-3.3-T-D(L) X1-3.6-T-D(L) X1-4.2-T-D(L) X1-4.6-T-D(L) X1-5.0-T-D(L) X1-5.5K-T-D(L) X1-6.0K-T-D(L)
X1-3.0-T-N(L) X1-3.3-T-N(L) X1-3.6-T-N(L) X1-4.2-T-N(L) X1-4.6-T-N(L) X1-5.0-T-N(L) X1-5.5K-T-N(L) X1-6.0K-T-N(L)

DC INPUT

Max. PV array input power [Wp]	4500	4950	5400	6300	6900	7500	8250	9000
Max. DC input voltage [V]	600	600	600	600	600	600	600	600
Startup voltage [V]	100	100	100	100	100	100	100	100
Nominal input voltage [V]	360	360	360	360	360	360	360	360
MPP tracker voltage range [V]	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580	70 ~ 580
No. of MPP trackers / Strings per MPP tracker	2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Max. input current (Input A/Input B) [A]	14/14	14/14	14/14	14/14	14/14	14/14	14/14	14/14
Max. short circuit current (Input A/Input B) [A]	16/16	16/16	16/16	16/16	16/16	16/16	16/16	16/16

AC OUTPUT

Nominal AC output power [W]	3000	3300	3680	4200	4600	5000 ^①	5500	6000
Nominal AC output current [A]	13	14.3	16	18.3	20	21.7	23.9	26.1
Max. output apparent power [VA]	3300	3630	4048(3680 for G98/TOR)	4620	5060	5500 ^②	6050	6600(4600 for VDE4105)
Max. AC output current [A]	14.3	15.8	17.6(16 for G98/TOR)	20.1	22	23.9 ^③	26.3	28.7(20 for VDE4105)
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) [%]	<2							

SYSTEM DATA

Max. Efficiency [%]	97.80							
Euro. Efficiency [%]	97.00							
Standby consumption [W] @Night	<2							
Degree of Protection	IP66							
Operating temperature range [°C]	-25~+60 (Derating at 45°C)							
Max. operation altitude [m]	≤3000							
Relative humidity [%]	0~100 (Condensing)							
Typical noise emission [dB]	30							
Storage temperature [°C]	-30~+70							
Dimensions (W × H × D) [mm]	341.5 × 430 × 143							
Net weight [kg]	13.5	13.5	13.5	15	15	15	15	15
Cooling concept	Natural Cooling							
Communication interfaces	Pocket WiFi / (Optional: Pocket LAN/4G) / RS485 / DRM / 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	IEC/EN 62109-1/-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

① 5000 (4600 for VDE4105) ② 5500 (4600 for VDE4105; 5000 for C10/11) ③ 23.9 (20 for VDE4105; 21.7 for C10/11) * V3.1. Information may be subject to modify without notice.650.00021.00