



# X1-BOOST

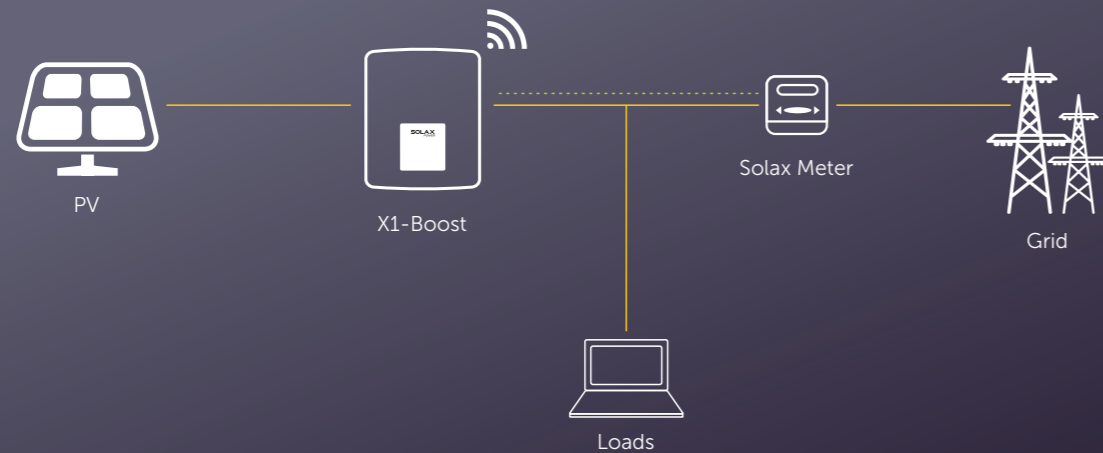
T: Dual MPPT      D: With DC switch  
 N: Without DC switch      L: With LCD Screen

## SINGLE-PHASE ON-GRID INVERTER 3.0~6.0kW

### Features

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

## SOLUTION DESIGN



# X1-BOOST

## SINGLE-PHASE

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)

	X1-3.0-T-D(L) X1-3.0-T-N(L)	X1-3.3-T-D(L) X1-3.3-T-N(L)	X1-3.6-T-D(L) X1-3.6-T-N(L)	X1-4.2-T-D(L) X1-4.2-T-N(L)	X1-4.6-T-D(L) X1-4.6-T-N(L)	X1-5.0-T-D(L) X1-5.0-T-N(L)	X1-5.5K-T-D(L) X1-5.5K-T-N(L)	X1-6.0K-T-D(L) X1-6.0K-T-N(L)
<b>DC INPUT</b>								
Max. PV array input power [Wp]	4500	4950	5400	6300	6900	7500	8250	9000
Max. PV 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. PV input current(Input A/Input B) [A]	14/14	14/14	14/14	14/14	14/14	14/14	14/14	14/14
Isc PV Array Short Circuit Current(Input A/Input B) [A]	18/18	18/18	18/18	18/18	18/18	18/18	18/18	18/18
<b>AC OUTPUT</b>								
Rated AC output power [W]	3000	3300	3680	4200	4600	5000 <sup>①</sup>	5500	6000
Rated 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 <sup>②</sup>	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 <sup>③</sup>	26.3	28.7/20 for VDE4105
Nominal AC voltage/ AC voltage range [V]*	220/230/240; 180~280							
Nominal AC frequency/AC frequency range [Hz]*	50/60; ±5							
Power Factor Range	0.8 leading ~ 0.8 lagging							
THDi (Rated power) [%]	<2							
<b>SYSTEM DATA</b>								
Max. Efficiency [%]	97.80							
Euro. Efficiency [%]	97.00							
Standby consumption [W] @Night	<2							
Ingress Protection	IP66							
Operating Ambient 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 x H x D) [mm]	341.5 x 430 x 143							
Net weight [kg]	13.5	13.5	13.5	15	15	15	15	15
Cooling concept	Natural Cooling							
Communication interfaces	RS485/DRM/USB, Optional: CT/Meter							
Optional monitoring dongle	Pocket WiFi/LAN/4G							
Display	2 x LED + LCD (16 x 2) / APP							
<b>PROTECTION</b>								
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							
<b>STANDARD</b>								
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)    V3.3. Information may be subject to modify without notice. 650.00021.00  
 \* The AC voltage and the frequency range may vary from different country codes.