



X1-BOOST

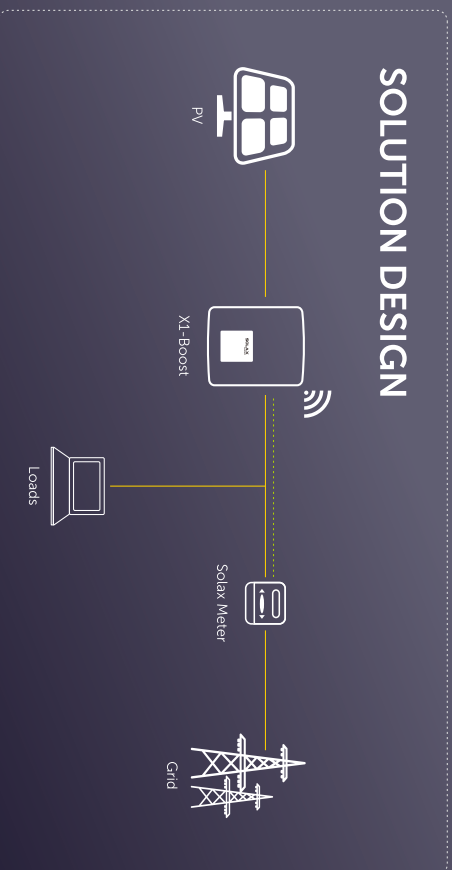
T: Dual MPPT N: Without DC switch
D: With DC switch

SINGLE-PHASE
ON-GRID INVERTER

3.0~6.0kW

Features

- Remote upgrade and control
- 150% oversized PV power
- Max. DC input 14A per string
- AC built in SPD
- CT compatibility
- Zero injection supported
- 24h monitoring (on-grid)



X1-BOOST

SINGLE-PHASE

X1-3.0-1-00 X1-3.3-1-00 X1-3.6-1-00 X1-4.2-1-00 X1-4.6-1-00 X1-5.0-1-00 X1-5.6-1-00 X1-6K-1-00
X1-3.0-F-00 X1-3.3-F-00 X1-3.6-F-00 X1-4.2-F-00 X1-4.6-F-00 X1-5.0-F-00 X1-5.6-F-00 X1-6K-F-00

DC INPUT	X1-3.0-1-00	X1-3.3-1-00	X1-3.6-1-00	X1-4.2-1-00	X1-4.6-1-00	X1-5.0-1-00	X1-5.6-1-00	X1-6K-1-00
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. 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*	5500	6000
Nominal AC output current [A]	13	14.3	16	18.3	20	21.7	23.9	26.1
Max. AC output apparent power [VA]	3300	3630	4088@0.9708	4620	5060	5500*	6050	6601@0.9708
Max. AC output current [A]	14.3	15.8	17.61@0.9708	20.1	22	23.9*	26.3	28.7
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
Humidity [%]	0~100 (Condensing)
Typical noise emission [dB]	30
Storage temperature [°C]	-30~+70
Dimensions(W*H*KD) [mm]	430*341.5*143
Net weight [kg]	13.5 13.5 13.5 15.0 15.0 15.0 15.0 15.0
Cooling concept	Nature cooling
Communication interfaces	Pocket Wi-Fi/LAN/GPRS(optional)/RS-485/DRM/USB-Upgrade/CT/Meter (optional)

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-standing protection	YES
Over temp 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/G99/G99/AS/NZS 4777.2/VDE4105/EN50549/CEI 0-21/RD1699/UNE 20600/-1/VR and so on

*5000 (4600 for VDE4105; 4999 for AS4771) / 5500 (4600 for VDE4105; 4999 for AS4771) / 23.9 (20 for VDE4105; 21.7 for AS4771)