X1-MINI

S: Single MPPT
D: With DC switch N: Without DC switch

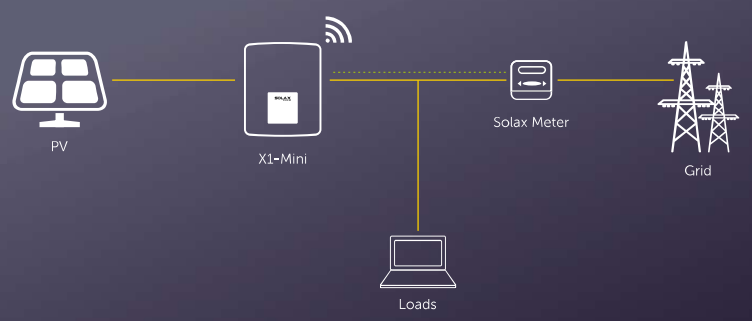
SINGLE-PHASE
ON-GRID INVERTER

0.6~3.6kW

Features

- Small and light
- Max. DC input 14A
- AC/DC built in SPD
- As low as 45V grid-connected PV voltage
- Remote upgrade and control
- Wider power section
- Zero injection supported
- CT compatibility

SOLUTION DESIGN



X1-MINI

SINGLE-PHASE

	X1-0.6-S-D(L) X1-0.6-S-N(L)	X1-0.7-S-D(L) X1-0.7-S-N(L)	X1-1.1-S-D(L) X1-1.1-S-N(L)	X1-1.5-S-D(L) X1-1.5-S-N(L)	X1-2.0-S-D(L) X1-2.0-S-N(L)	X1-2.5K-S-D(L) X1-2.5K-S-N(L)	X1-3K-S-D(L) X1-3K-S-N(L)	X1-3.3K-S-D(L) X1-3.3K-S-N(L)	X1-3.6K-S-D(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. PV input voltage [V]	450	450	450	450	450	550	550	550	550
Startup voltage [V]	50	50	50	50	50	50	50	50	50
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(input A/input B) [A]	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
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	8.70	10.80	13.04	14.3	16
Max. AC output apparent power [VA]	660(600 for VDE4105)	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 [%]	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00	98.00
Euro. efficiency [%]	95.00	95.00	95.50	96.00	96.50	96.50	96.50	96.50	96.50
Standby consumption [W] @Night	<1								
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*328*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 Wi-Fi/LAN/4G(Optional)/USB/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-islanding 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/G98/AS/NZS 4777.2/VDE4105/EN50549/CEI 0-21/RD1699/UNE 206007-1/VFR and so on								