

# X1-MINI

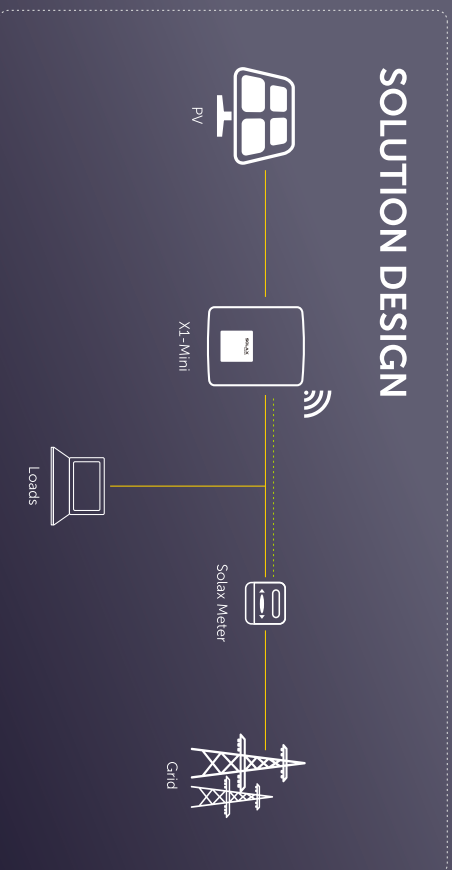
- S: Single MPPT
- D: With DC switch    N: Without DC switch

## 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 MPPT voltage
- Remote upgrade and control
- Wider power section
- Zero injection supported
- CT compatibility



# X1-MINI

## SINGLE-PHASE

X1-0.6S-010    X1-0.7S-010    X1-1.1S-010    X1-1.5S-010    X1-2.0S-010    X1-2.4S-010    X1-3.0S-010    X1-3.0K5-010    X1-3.6K5-010  
X1-0.6S-010    X1-0.7S-010    X1-1.1S-010    X1-1.5S-010    X1-2.0S-010    X1-2.4S-010    X1-3.0S-010    X1-3.0K5-010    X1-3.6K5-010

DC INPUT											
Max. PV array input power [Mw]	900	1050	1650	2250	3000	3750	4500	4950	5400		
Max. PV input voltage [V]	450	450	450	450	450	450	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		
MPPT tracker voltage range [V]	45~430	45~430	45~430	50~430	50~430	50~430	55~530	55~530	55~530		
No. of MPPT trackers/strings per MPPT 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]	15	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]	960@0.95cosφ	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							
THD (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]				287*328*126							
Net weight [kg]	6	6	6	6	6	8.3	8.3	8.3	8.3		
Cooling concept				Nature cooling							

### Communication Interfaces

RS485/ DRW/ Pocket Wi-Fi/LAN/GPRS(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-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/GB9545/NZS 4777.2/VDE4105/EN50549/CEI 0-21/RD1699/UNE 206007-1/VFR and so on