SolaX POWER

Single-phase String Inverter
X1-Smart

Powerful Single Phase Inverter

↑ **Low Start-Up Voltage**

📈 **High Efficiency**

⚖️ **Flexible Communication**

📶 **Remote Monitoring**

X1-SMART (6.0kW / 7.0kW / 8.0kW)

- Remote upgrade and maintenance
- 150% DC oversizing and 110% AC overloading
- Support Meter/CT and zero injection control
- Small and compact size
- Easy to install and setup
- Support EV Charger

X1-SMART (SINGLE-PHASE)

	X1-6.0-T-D X1-6.0-T-N	X1-7.0-T-D X1-7.0-T-N	X1-8.0-T-D X1-8.0-T-N
DC INPUT			
Max. PV array input power [Wp]	9000	10500	12000
Max. PV input voltage [V]	550	550	550
Startup voltage [V]	100	100	100
Nominal input voltage [V]	360	360	360
MPP tracker voltage range [V]	100~530	100~530	100~530
No. of MPP trackers/Strings per MPP tracker	2(1/2)	2(1/2)	2(1/2)
Max. PV input current [A]	14/28	14/28	14/28
Isc PV Array Short Circuit current [A]	18/36	18/36	18/36
AC OUTPUT			
Rated AC output power [W]	6000	7000	8000
Rated AC output current [A]	26	30	34.7
Max. AC output apparent power [VA]	6600	7700	8800
Max. AC output current [A]	28.7	33.5	38.3
Nominal AC voltage/AC voltage range [V]*	220V/230/240,160~285		
Nominal AC frequency/AC frequency range [Hz]*	50/60; ±5		
Power Factor range	0.8 leading~0.8 lagging		
THDi (rated power) [%]	<3		
SYSTEM DATA			
Max. efficiency [%]	97.40	97.40	97.40
Euro. efficiency [%]	96.80	96.80	96.80
Standby consumption [W] @Night	<1		
Ingress protection	IP65		
Operating ambient temperature range [°C]	-25~60 (derating at 45)		
Max. operation altitude [m]	≤2000		
Humidity [%]	0~100 (non-condensing)		
Typical noise emission [dB]	<40		
Storage temperature [°C]	-25~60		
Dimensions (W×H×D) [mm]	401*450*190		
Weight [kg]	USB/RS485/DRM, Optional: Meter/CT		
Optional monitoring dongle	Pocket WiFi/LAN		
Display	LCD(16 x 2) / APP		
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		
STANDARD			
Safety	IEC/EN 62109-1/-2		
EMC	EN61000-6-1/2/3/4;EN61000-3-2/3/11/12		
Certification	AS4777.2/EN 61000-3-2/EN 61000-3-3/EN 61000-3-11/EN 61000-3-12/EN 61000-6-1/EN 61000-6-2/EN 61000-6-3		

✳ The AC voltage and the frequency range may vary from different country codes

V2.0. Information may be subject to modify without notice.