




SOLAX INVERTER

2017 Product Brochure

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X1 MINI

X1-1.1

X1-1.5

X1-2.0

INPUT (DC)			
Max.recommended DC power [W]	1250	1650	2200
Max. input DC voltage [V]	400	400	400
Max. input current [A]	10	10	10
MPPT voltage range [V]	55-380	55-380	55-380
Start input/output voltage [V]	60/70	60/70	60/70
Number of MPP tracker/strings per MPP tracker	1/1	1/1	1/1
OUTPUT (AC)			
AC nominal power [VA]	1100	1500	2000
Max. AC power [VA]	1100	1500	2000
Normal AC voltage; range [V]	220/230/240; 180~280		
AC grid frequency; range) [Hz]	50/60; ±5		
Max. AC current [A]	5.5	7.5	9.5
Power factor (full load)	0.8 leading ~ 0.8 lagging		
Total harmonic distortion(THD) [%]	<2		
POWER CONSUMPTION			
Standby consumption [W]	<5		
EFFICIENCY			
MPPT efficiency[%]	99.9		
Euro efficiency[%]	95.5	96	96.5
Max. efficiency[%]	97.1		
SAFETY & PROTECTION			
Over voltage protection	YES		
Over current protection	YES		
DC isolation impedance monitoring	YES		
Ground fault current monitoring	YES		
DC injection monitoring	YES		
RCD protection	YES		
Safety	EN62109-1/-2		
EMC	EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3		
Certification	G83/2;AS4777.2-2015;VDE4105; EN50438;CQC;CEI0-21		
ENVIRONMENT LIMITS			
Protection class	IP65		
Operating temperature[°C]	-20~+60(derating at 45)		
Humidity[%]	0~95 (no condensation)		
Attitude[m]	2000		
Storage temperature[°C]	-20~+60		
Noise emission[dB]	<25		
DIMENSION & WEIGHT			
Dimensions(W*H*D) [mm]	248*350*124		
Weight[Kg]	7		
GENERAL DATA			
Topology	Transformerless		
Communication interface	RS485/WIFI(optional)/DRM/USB		
Display	6 LED		
Standard warranty[years]	5-10		
Cooling type	Natural		

*Can be modified without notice.(V2)



X1 AIR

X1-2.5

X1-3.0

X1-3.3

INPUT (DC)	X1-2.5	X1-3.0	X1-3.3
Max.recommended DC power [W]	2700	3200	3450
Max. input DC voltage [V]	600	600	600
Max. input current [A]	10	10	10
MPPT voltage range [V]	100-580	100-580	100-580
Start input/output voltage [V]	65/120	65/120	65/120
Number of MPP tracker/strings per MPP tracker	1/1	1/1	1/1
OUTPUT (AC)			
AC nominal power [VA]	2500	3000	3300
Max. AC power [VA]	2500	3000	3300
Normal AC voltage; range [V]	220/230/240; 180~280		
AC grid frequency; range [Hz]	50/60; ±5		
Max. AC current [A]	12	14	15
Power factor (full load)	0.8 leading ~ 0.8 lagging		
Total harmonic distortion(THD) [%]	<2		
POWER CONSUMPTION			
Standby consumption [W]	<10		
EFFICIENCY			
MPPT efficiency[%]	99.9		
Euro efficiency[%]	96.8		
Max. efficiency[%]	97.6		
SAFETY & PROTECTION			
Over voltage protection	YES		
Over current protection	YES		
DC isolation impedance monitoring	YES		
Ground fault current monitoring	YES		
DC injection monitoring	YES		
RCD protection	YES		
Safety	EN62109-1/-2		
EMC	EN61000-6-2;EN61000-6-3;EN61000-3-2;EN61000-3-3		
Certification	G83/2;AS4777.2-2015;VDE4105; EN50438; CQC		
ENVIRONMENT LIMITS			
Protection class	IP65		
Operating temperature[°C]	-20~+60(derating at 45)		
Humidity[%]	0~95 (no condensation)		
Attitude[m]	2000		
Storage temperature[°C]	-20~60		
Noise emission[dB]	<30		
DIMENSION & WEIGHT			
Dimensions(W*H*D) [mm]	323*402*119		
Weight[Kg]	9.5		
GENERAL DATA			
Topology	Transformerless		
Communication interface	RS485/WIFI(optional)/DRM/USB		
Display	11 LED		
Standard warranty[years]	5-10		
Cooling type	Natural		

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X1 BOOST

	X1-3.0T	X1-3.3T	X1-3.6T	X1-4.2T	X1-5.0T
INPUT (DC)					
Max.recommended DC power [W]	3250	3500	4000	4600	5200
Max. input DC voltage [V]	600	600	600	600	600
Max. input current [A]	12/12	12/12	12/12	12/12	12/12
MPPT voltage range [V]	125-580	125-580	125-580	125-580	125-580
Start input/output voltage [V]	110/150	110/150	110/150	110/150	110/150
Number of MPP tracker/strings per MPP tracker	2/1	2/1	2/1	2/1	2/1
OUTPUT (AC)					
AC nominal power [VA]	3000	3300	3680	4200	4600
Max. AC power [VA]	3000	3300	3680	4200	4600
Normal AC voltage; range [V]	220/230/240; 180~280				
AC grid frequency; range [Hz]	50/60; ±5				
Max. AC current [A]	14	15	16	19	21
Power factor (full load)	0.8 leading ~ 0.8 lagging				
Total harmonic distortion(THD) [%]	<2				
POWER CONSUMPTION					
Standby consumption [W]	<10				
EFFICIENCY					
MPPT efficiency[%]	99.9				
Euro efficiency[%]	97.0				
Max. efficiency[%]	97.8				
SAFETY & PROTECTION					
Over voltage protection	YES				
Over current protection	YES				
DC isolation impedance monitoring	YES				
Ground fault current monitoring	YES				
DC injection monitoring	YES				
RCD protection	YES				
Safety	IEC62109-1/-2				
EMC	EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3				
Certification	G83/2;G59/3;AS4777.2-2015;VDE4105; EN50438;CQC;VDE0126				
ENVIRONMENT LIMITS					
Protection class	IP65				
Operating temperature[°C]	-20~+60(derating at 45)				
Humidity[%]	0~95 (no condensation)				
Attitude[m]	2000				
Storage temperature[°C]	-20~+60				
Noise emission[dB]	<25				
DIMENSION & WEIGHT					
Dimensions(W*H*D) [mm]	339*420*143				
Weight[Kg]	14.6	14.6	14.6	16.7	16.7
GENERAL DATA					
Topology	Transformerless				
Communication interface	RS485/WIFI(optional)/DRM/USB/RF(optional)/Meter(optional)				
Display	Backlight 16*4 character				
Standard warranty[years]	5-10				
Cooling type	Natural				

*Can be modified without notice.(V2)