




SOLAX INVERTER

2017 Product Brochure
For Australia

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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]	55/70	55/70	55/70
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 power[W]	<10		
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		
Cooling type	Natural		



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 power[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	
Cooling type		Natural	



X1 BOOST

	X1-3.0T	X1-3.3T	X1-3.6T	X1-4.2T	X1-4.6T	X1-5.0T
INPUT (DC)						
Max.recommended DC power [W]	3250	3500	4000	4600	5200	5200
Max. input DC voltage [V]	600	600	600	600	600	600
Max. input current [A]	12/12	12/12	12/12	12/12	12/12	12/12
MPPT voltage range [V]	125-580	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	110/150
Number of MPP tracker/strings per MPP tracker	2/1	2/1	2/1	2/1	2/1	2/1
OUTPUT (AC)						
AC nominal power [VA]	3000	3300	3680	4200	4600	4999
Max. AC power [VA]	3000	3300	3680	4200	4600	4999
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	21
Power factor (full load)	0.8 leading ~ 0.8 lagging					
Total harmonic distortion(THD) [%]	<2					
POWER CONSUMPTION						
Standby power[W]	<2					
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	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					
Cooling type	Natural					