



# 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; $\pm 5$	
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	

\*Can be modified without notice.(V2)