



# 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)