



X1-0.7

X1-1.1

X1-1.5

X1-2.0

INPUT (DC)

Max.recommended DC power [W]	840	1250	1650	2200
Max. input DC voltage [V]	400	400	400	400
Max. input current [A]	10	10	10	10
MPPT voltage range [V]	50-500	55-380	55-380	55-380
Start input/output voltage [V]	60/70	60/70	60/70	60/70
Number of MPP tracker/strings per MPP tracker	1/1	1/1	1/1	1/1

OUTPUT (AC)

AC nominal power [VA]	700	1100	1500	2000
Max. AC power [VA]	700	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]	3.5	5.5	7.5	9.5
Power factor (full load)	0.8 leading ~ 0.8 lagging			
Total harmonic distortion(THD) [%]	<1.5			

POWER CONSUMPTION

Standby consumption [W]	<5			
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EFFICIENCY

MPPT efficiency[%]	99.9			
Euro efficiency[%]	95	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			