

Input (DC)

Recommended Max. PV input power	90000Wp	105000Wp	105000Wp	105000Wp	120000Wp	105000Wp	112500Wp	120000Wp
Number of MPP trackers	6							
Number of DC inputs	2 for each MPPT							
Max. input voltage	1100V							
Start-up voltage	200V							
Rated input voltage	620V					720V		
MPPT operating voltage range	180~1000V							
Full power MPPT voltage range	500~850V	550~850V				600~850V		
Max. input MPPT current	6*32A	6*40A				6*32A		6*40A
Max. DC input short circuit current	6*50A	6*60A				6*50A		6*60A

Output(AC)

Rated power	60000W	70000W	72000W	75000W	80000W	60000W	70000W	80000W
Max. AC power	66000VA	77000VA	72000VA	75000VA	88000VA	66000VA	77000VA	88000VA
Max. output current	100A	116.7A	109.1A	113A	133.3A	79.4A	92.7A	106A
Nominal grid voltage	3/N/PE or 3/PE, 220/380Vac,230/400Vac,240/415Vac					3/N/PE or 3/PE, 277/480Vac		
Grid voltage range	310Vac-480Vac (According to local standard)					422Vac-528Vac(According to local standard)		
Nominal frequency	50 / 60Hz							
Grid frequency range	45Hz-55Hz/54Hz-66Hz (According to local standard)							
Active power adjustable range	0~100%							
THDi	<3%							
Power factor	1 (adjustable+/-0.8)							

Efficiency

Max efficiency	98.80%	99.00%						
European efficiency	98.40%					98.50%		

Protection

DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
Anti reverse power function	Yes
DC switch	Yes
AFCI protection	Optional
Anti-PID function	Optional
Input/ output SPD	PV: Type II standard, Type I optional; AC: Type II standard, Type I optional

Communication

Communication	RS485/USB/Bluetooth, Optional: WiFi /GPRS /4G /PLC
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General Data

Ambient temperature range	-30℃~+ 60℃
Self-consumption at night	< 2W
Topology	Transformerless
Degree of protection	IP66
Allowable relative humidity range	0~100%
Max. operating altitude	4000m
Weight	53kg
Cooling	Fan
Dimension	687*561*275mm
Display	LCD&Bluetooth +APP
Standard warranty	5 years, Optional: 7 years/ 10 years

Standard

EMC	EN 61000-6-2, EN 61000-6-3, EN 61000-3-11, EN 61000-3-12
Safety standards	IEC 62109-1/2, IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 60255
Grid standards	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50549, G99, EN50530, NB/T32004

SOFAR 60KTLX-G3/70KTLX-G3/72KTLX-G3/75KTLX-G3/80KTLX-G3/60KTLX-G3-HV/70KTLX-G3-HV/80KTLX-G3-HV_EN_202202_V1