

Model		hopeSun 5KTL	hopeSun 6KTL	hopeSun 8KTL
DC Input	Max. DC Voltage	550V		
	MPPT Voltage Range	90V – 500V		
	Max. Input Current of Each MPPT	13A		26A / 13A
	Number of DC Inputs	2		3
	MPPT Number	2		
AC Output	Rated Output Power	5kW	6kW	8kW
	Max. Active Power (cosθ=1)	5.5kW	6.6kW	8kW
	Rated Output Voltage	220V / 230V (Single Phase)		
	Operating Voltage Range	176V – 276V		
	Max. Output Current	25A	30A	34.8A
	Rated Grid Frequency	50Hz / 60Hz		
	Power Factor	0.8 (Leading) – 0.8 (Lagging)		
	THD	<3%		
System Parameters	Max. Efficiency	98.47%	98.55%	98.59%
	European Efficiency	98.0%		
	AC/DC SPD	Support		
	Insulation Impedance Detection	Support		
	Residual Leakage Current Detection	Support		
	PV String Fault Detection	Support		
	Output Overcurrent Protection	Support		
	Protection Level	IP65		
	Operating Temperature Range	-20℃ – +60℃		
	Cooling System	Natural Cooling		
	Standby Power Consumption	<1W		
	Topology Structure	Transformerless		
	Operating Altitude	4000m (Derating above 3000m)		
	Display	LED Indicator + APP		
	Communication	RS485 / WiFi / GPRS		
	Certification	IEC62109 / IEC61000 / IEC62116 / IEC61727 / EN50549 / INMETRO		
Mechanical Parameters	Dimensions (W*H*D)	325*380*177mm		
	Weight	<14kg		