

Model		hopeSun 50KTL-M	hopeSun 70KTL-M	hopeSun 80KTL-M	hopeSun 125KTL-M
DC Input	Max. DC Voltage	1100V			
	MPPT Voltage Range	250V ~ 1000V			
	Max. Input Current of Each MPPT	26A/39A	39A	39A / 52A	65A
	Number of DC Inputs	8	12	14	20
	MPPT Number	3	4		
AC Output	Rated Output Power	50kW	70kW	80kW	125kW
	Max. Active Power (cos ϕ =1)	55kW	77kW	88kW	137.5kW
	Rated Output Voltage	500V (Three Phase)			
	Operating Voltage Range	500V $\pm$ 10%			
	Rated Output Current	57.7A	80.8A	92.4A	144A
	Max. Output Current	63.5A	88.9A	101.6A	158.8A
	Rated Grid Frequency	50Hz / 60Hz			
	Power Factor	0.8 (Leading) ~ 0.8 (Lagging)			
	THD	<3%			
System Parameters	Max. Efficiency	98.99%	99.01%	99.03%	99.04%
	European Efficiency	98.51%	98.52%	98.53%	98.54%
	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	-25°C ~ +60°C			-40°C ~ +60°C
	Cooling System	Smart Air Cooled			
	Standby Power Consumption	<5W			
	Topology Structure	Transformerless			
	Operating Altitude	5000m (Derating above 4000m)			
	Display	LED Indicator + APP			
	Communication	RS485 / WIFI / GPRS			
	Certification	IEC62109 / IEC61000 / IEC62116 / IEC61727 / EN50549 / CQC / CGC			
Mechanical Parameters	Dimensions (W*H*D)	705*650*283mm			800*680*330mm
	Weight	<65kg	<75kg		<95kg