



High Efficiency

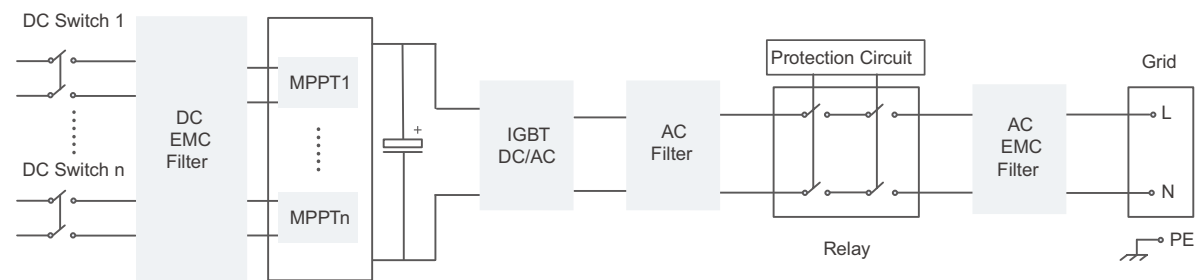
Max. DC voltage 550V.
Max efficiency 98.59%.
2 MPPTs.
High precision & intelligent string detection.



Reliable

Compact structure, easy for installation and maintenance.
IP65 waterproof.
Support mobile APP monitoring.

Topological Graph



Technical Parameters

Model		hopeSun 5KTL	hopeSun 6KTL	hopeSun 8KTL
DC Input	Max. DC Voltage	550V		
	Starting Voltage	140V		
	MPPT Voltage Range	90V~500V		
	MPPT Range Full Load	200V~480V	240V~480V	220V~480V
	Max. Input Current of Each MPPT	13A / 13A		25A / 13A
	Max. short-circuit current	19A / 19A		38A / 19A
	Number of DC Inputs	1 / 1		2 / 1
	MPPT Number	2		
AC Output	Rated Output Power	5kW	6kW	8kW
	Max. Active Power (cosθ=1)	5.5kW	6.6kW	8.8kW
	Rated Output Voltage	220V / 230V (Single-phase)		
	Operating Voltage Range	172.5V~276V		
	Max. Output Current	25A	30A	40A
	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	98.00%		
	AC/DC SPD	Yes		
	Anti-Islanding Protection	Yes		
	Insulation Impedance Detection	Yes		
	Residual Leakage Current Detection	Yes		
	PV String Fault Detection	Yes		
	Output Overcurrent Protection	Yes		
	Protection Degree	IP65		
	Operating Temperature Range	-25 ~ +60		
	Cooling System	Natural Cooling		
	Standby Power Consumption	<1W		
	Topology	Transformerless		
	Operating Altitude	4000m (Derating above 3000m)		
	Display	LED Indicator + APP		
	Communication	WiFi / GPRS / 4G		
	Certification	IEC61683 / IEC62109 / IEC61000 / IEC62116 / IEC61727 / iNMETRO		
	Mechanical Parameters	Dimensions (W*H*D)	325*380*177mm	
Weight		≤14kg		