



High Efficiency

Max. efficiency 99.00%.
4 MPPTs.
High precision & intelligent string detection.
Max. 20A DC input current.



Reliable

Smart air cooling.
Integrated PID repair function.
Built-in AC and DC SPD protection module.



Friendly

Support single-machine anti-backflow interface.
Support night SVG function.
AC and DC redundant power supply,
24-hour real-time monitoring.
Support mobile APP monitoring.
100%Pn under 45

Technical Parameters

Model		hopeSun 60KTL	hopeSun 70KTL	hopeSun 75KTL	hopeSun 100KTL	hopeSun 110KTL	hopeSun 125KTL-M	
DC Input	Max. DC Voltage	1100V						
	Start Voltage	200V						
	MPPT Voltage Range	200V~1000V						
	100Pn% MPPT Range	520V~850V	600V~850V		550V~850V		600V~850V	
	Max. Input Current of Each MPPT	45A / 45A / 45A / 45A			65A / 65A / 65A / 65A			
	Max. short-circuit current	60A / 60A / 60A / 60A			100A / 100A / 100A / 100A			
	Number of DC Inputs	3 / 3 / 3 / 3		4 / 3 / 3 / 4		5 / 5 / 5 / 5		
MPPT Number	4							
AC Output	Rated Output Power	60kW	70kW	75kW	100kW	110kW	125kW	
	Max. Active Power (cosθ=1)	66kW	77kW	82.5kW	110kW	121kW	137.5kW	
	Rated Output Voltage	400V (Three-phase) (380V optional)					500V (Three-phase)	
	Operating Voltage Range	300V~520V					425V~550V	
	Rated Output Current	86.5A	101A	108.3A	144A	158.8A	144A	
	Max. Output Current	95.3A	111A	119A	158.8A	174.7A	158.8A	
	Rated Grid Frequency	50Hz / 60Hz						
	Power Factor	0.8 (Leading)~0.8 (Lagging)						
	THD	<3%						
	Max. Efficiency	98.85%		99.00%				
European Efficiency	98.51%		98.52%					
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	Smart Air Cooling							
Standby Power Consumption	<1W			<5W				
Topology	Transformerless							
Operating Altitude	5000m (Derating above 4000m)							
Display	LED Indicator + APP							
Communication	RS485 / WiFi / GPRS / 4G							
DC & AC Terminator	OT / DT							
Certificates	IEC61683 / IEC62109 / IEC61000 / IEC62116 / IEC61727 / CQC / CGC							
Optional	WiFi&GPRS&4G Module / Anti-PID Module							
Mechanical Parameters	Dimensions (W*H*D)	705*650*285mm			800*680*330mm			
	Weight	≤75kg			≤89kg			

Topological Graph

