

C&I High Power Inverter



High-efficiency
 4 MPPTs
 Max. efficiency 99.00%
 100%Pn under 45°C
 Max. 20A DC input current
 High precision & intelligent string detection

Reliability
 Smart air cooling
 Built-in AC and DC SPD
 Integrated PID repair function
 100-125k with single-inverter zero export interface

User-friendliness
 Mobile APP monitoring
 AC and DC redundant power supply

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~480V					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%					
System Parameters	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°C~+60°C						
	Cooling System	Smart Air Cooling						
	Standby Power Consumption	<1W			<5W			
	Topology	Transformerless						
	Operating Altitude	4000m (Derating above 3000m)						
	Display	LED Indicator + APP						
	Communication	RS485 / WiFi / GPRS / 4G						
DC & AC Terminator	DC:MC4 AC: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

