

C&I Low Power Inverter



High-efficiency

- 2 MPPTs
- Max. efficiency 99.0%
- Max. 20A DC input current
- 100%Pn under 45°C
- High DC/AC ratio up to 1.5
- High precision & intelligent string detection

Reliability

- Under/over voltage protection
- Anti-islanding protection
- Built-in AC and DC SPD
- 8K~12K natural cooling, 15K~33K smart air cooling

User-friendliness

- With single-inverter zero export interface
- Mobile APP monitoring

Technical Parameters

Model	hopeSun 8KTL	hopeSun 10KTL	hopeSun 12KTL	hopeSun 15KTL	hopeSun 17KTL	hopeSun 20KTL	hopeSun 22KTL	hopeSun 25KTL	hopeSun 30KTL	hopeSun 33KTL															
DC Input	Max. DC Voltage										1100V														
	Starting Voltage										200V														
	MPPT Voltage Range										200V~1000V														
	MPPT Range Full Load										370V~850V			450V~850V			425V~850V								
	Max. Input Current of Each MPPT										20A / 20A		26A / 20A		30A / 30A		40A / 40A								
	Max. short-circuit current										30A / 30A		39A / 30A		45A / 45A		60A / 60A								
	Number of DC Inputs										1 / 1		2 / 1		2 / 2		3 / 3								
MPPT Number										2															
AC Output	Rated Output Power										8kW	10kW	12kW	15kW	17kW	20kW	22kW	25kW	30kW	33kW					
	Max. Active Power (cosθ=1)										8.8kW	11kW	13.2kW	16.5kW	18.7kW	22kW	24.2kW	27.5kW	33kW	36.3kW					
	Rated Output Voltage										400V (Three-phase) (380V optional)														
	Operating Voltage Range										300V~520V														
	Rated Output Current										11.6A	14.5A	17.4A	21.7A	24.6A	28.9A	31.8A	36.1A	43.5A	47.6A					
	Max. Output Current										12.7A	16.0A	19.1A	23.9A	27.0A	31.8A	35.0A	39.7A	47.6A	52.4A					
	Rated Grid Frequency										50Hz / 60Hz														
	Power Factor										0.8 (Leading)~0.8 (Lagging)														
	THD										<3%														
	Max. Efficiency										98.60%		98.61%		98.62%		98.63%		98.65%		98.94%		99.00%		98.80%
European Efficiency										98.40%		98.41%		98.42%		98.43%		98.45%		98.74%		98.80%		98.60%	
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										Natural Cooling					Smart Air Cooling										
Standby Power Consumption										<1W															
Topology										Transformerless															
Operating Altitude										4000m (Derating above 3000m)															
Display										LED Indicator + APP															
Communication										WiFi / GPRS / 4G															
DC & AC Terminator										DC:MC4 AC:OT/ DT															
Certification										EN50549 / IEC61683 / IEC62109 / IEC61000 / IEC62116 / IEC61727 / CQC / CGC															
Optional										WiFi&GPRS&4G Module / Anti-PID Module / Zero Export Module															
Mechanical Parameters	Dimensions (W*H*D)										380*400*247mm					380*450*247mm									
	Weight										≤22kg					≤25kg		≤30kg		≤35kg					

Topological Graph

