

Commercial Small Power Inverter



High Efficiency

- Max efficiency 99.0%.
- 2 MPPTs.
- Max. 20A DC input current.
- High precision & intelligent string detection.

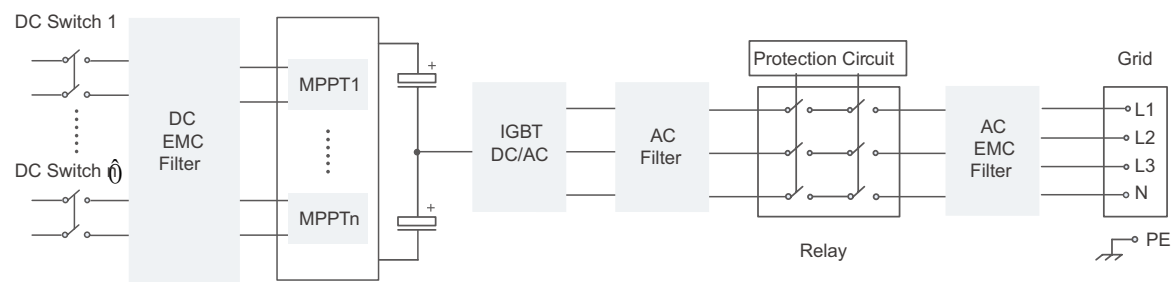
Reliable

- 8K~17K natural cooling, 20K~33K smart air cooling.
- Compact structure, easy for installation and maintenance.
- Reliable under/over voltage protection, anti-islanding.
- Built-in AC and DC SPD protection module.

Friendly

- Support Stand-alone Anti-backflow interface.
- Support mobile APP monitoring.
- 100%Pn under 45°C.

Topological Graph



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%	
System Parameters	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					Smart Air Cooling										
	Standby Power Consumption										<1W															
	Topology										Transformerless															
	Operating Altitude										5000m (Derating above 4000m)															
	Display										LED Indicator + APP															
	Communication										WiFi / GPRS / 4G															
	DC & AC Terminator										OT / DT															
	Certification										EN50549 / IEC61683 / IEC62109 / IEC61000 / IEC62116 / IEC61727 / CQC / CGC															
	Optional										WiFi&GPRS Module / Anti-PID Module / Anti-Reversed Module															
Mechanical Parameters	Dimensions (W*H*D)										380*400*247mm					380*450*247mm										
	Weight										≤22kg			≤25kg		≤30kg		≤35kg								