

HOPEWIND

GREEN RESIDENTIAL SOLUTION

PV Grid-tied Inverter

hopeSun 8-33KTL



FEATURES



High-efficiency

- 2 MPPTs with Max. efficiency 98.60%
- 20A input current, compatible with 210mm PV modules
- High precision & intelligent string detection



User Friendly

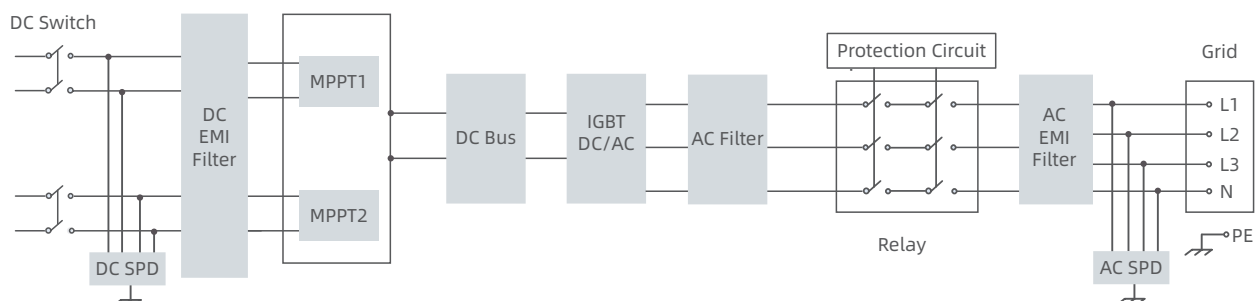
- Built-in zero export function interface
- Touch free commissioning via APP
- Remote firmware updates



Reliability

- Under/over voltage protection
- Anti-islanding protection
- Built-in Type II DC&AC SPD

TOPOLOGICAL GRAPH



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. PV Input Power	12 kW	15 kW	18 kW	22.5 kW	25.5 kW	30 kW	33 kW	37.5 kW	45 kW	49.5 kW
Max. Input Voltage	1100 V									
Starting Voltage	200 V									
MPPT Voltage Range	200~1000 V									
MPPT Range Full Load	370~850 V			450~850 V			425~850 V			
Max. Input Current Per MPPT	20 A / 20 A			26 A / 20 A			30 A / 30 A		40 A / 40 A	
Max. Short-circuit Current	30 A / 30 A			39 A / 30 A			45 A / 45 A		60 A / 60 A	
Number of DC Inputs	1 / 1			2 / 1			2 / 2			3 / 3
Number of MPP Trackers	2									
AC Output										
Rated Output Power	8 kW	10 kW	12 kW	15 kW	17 kW	20 kW	22 kW	25 kW	30 kW	33 kW
Max. Output Power	8.8 kW	11 kW	13.2 kW	16.5 kW	18.7 kW	22 kW	24.2 kW	27.5 kW	33 kW	36.3 kW
Rated Output Voltage	230 V / 400 V (3P + N + PE)									
Operating Voltage Range	300~520 V									
Rated Output Current	11.6 A	14.5 A	17.4 A	21.7 A	24.6 A	28.9 A	31.8 A	36.1 A	43.5 A	47.6 A
Max. Output Current	12.7 A	16.0 A	19.1 A	23.9 A	27.0 A	31.8 A	35.0 A	39.7 A	47.8 A	52.4 A
Rated Grid Frequency	50 Hz / 60 Hz									
Grid Frequency Range	45~55 Hz / 55~65 Hz									
Power Factor	>0.99 (0.8 leading-0.8 lagging)									
Harmonic (THDi)	<3% (at rated power)									
Efficiency										
Max. Efficiency	98.60%									
European Efficiency	98.10%							98.30%		
Protection										
Surge Protection	DC type II / AC type II									
Insulation Impedance Detection	Yes									
Residual Leakage Current Detection	Yes									
PV String Connection Detection	Yes									
PV Reverse Polarity Protection	Yes									
Anti-islanding Protection	Yes									
Output Overcurrent Protection	Yes									
DC Switch	Yes									
Zero Export Function	Yes									
General Parameters										
Dimensions (W × H × D)	360 × 400 × 247 mm					380 × 450 × 247 mm				
Weight	≤22 kg					≤25 kg		≤30 kg	≤35 kg	
Protection Degree	IP65									
Operating Temperature Range	-40~+60℃									
Cooling System	Natural cooling			Smart air cooling						
Topology	Transformerless									
Operating Altitude	4000 m (>3000 m derating)									
Display	LED, WLAN + APP									
Communication	Wi-Fi									
DC Connection Type	DC connector (4~6 mm ²)									
AC Connection Type	SC terminal					Tube type terminal			OT/ DT terminal	

