Hopewind

hopeSun8 ~ 33KTL

High-efficiency

- 2 MPPTs with Max. efficiency 99.0%
- 20A input current, compatible with 210mm panels
- High precision & intelligent string detection

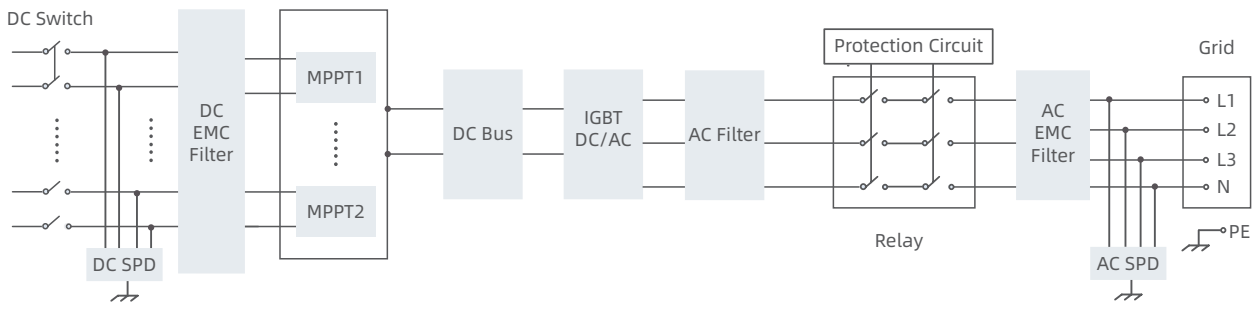
User Friendly

- 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



Shenzhen Hopewind Electric CO., Ltd. All rights reserved. Information may be subject to change without notice.

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. Input Voltage	1100V									
Starting Voltage	180V									
MPPT Voltage Range	200 ~ 1000V									
MPPT Range Full Load	370 ~ 850V			450 ~ 850V		425 ~ 850V				
Max. Input Current Per 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	
Number of MPP Trackers	2									
AC Output										
Rated Output Power	8kW	10kW	12kW	15kW	17kW	20kW	22kW	25kW	30kW	33kW
Max. Output Power	8.8kW	11kW	13.2kW	16.5kW	18.7kW	22kW	24.2kW	27.5kW	33kW	36.3kW
Rated Output Voltage	230V / 400V (3P + N + PE)									
Operating Voltage Range	300 ~ 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	>0.99 (0.8 leading ~ 0.8 lagging)									
Harmonic (THD)	<3% (at rated power)									
Efficiency										
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%
Protection										
Surge Protection	DC type II / AC type II									
Insulation Impedance Detection	Yes									
Residual Leakage Current Detection	Yes									
PV String Fault 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)	380*400*247mm					380*450*247mm				
Weight	≤22kg					≤25kg		≤30kg	≤35kg	
Protection Degree	IP65									
Operating Temperature Range	-40 ~ +60℃									
Cooling System	Natural cooling			Smart air cooling						
Standby Power Consumption	<1W									
Topology	Transformerless									
Operating Altitude	4000m (>3000m derating)									
Display	LED, WLAN + APP									
Communication	RS485 / Wi-Fi									
DC Connection Type	MC4									
AC Connection Type	SC terminal					Tube type terminal		OT/ DT terminal		

Shenzhen Hopewind Electric CO., Ltd. All rights reserved. Information may be subject to change without notice.