

**HOPEWIND**

GREEN C&I SOLUTION

# hopeSun 60-110KTL



**TIER 1**  
BloombergNEF

Hopewind is ranked as  
Tier 1 Solar Inverter Maker by BNEF

## FEATURES



### High-efficiency

- 4 MPPTs with Max. efficiency 98.60%
- 20A input current, compatible with 210mm PV modules
- Night SVG function (optional)



### User Friendly

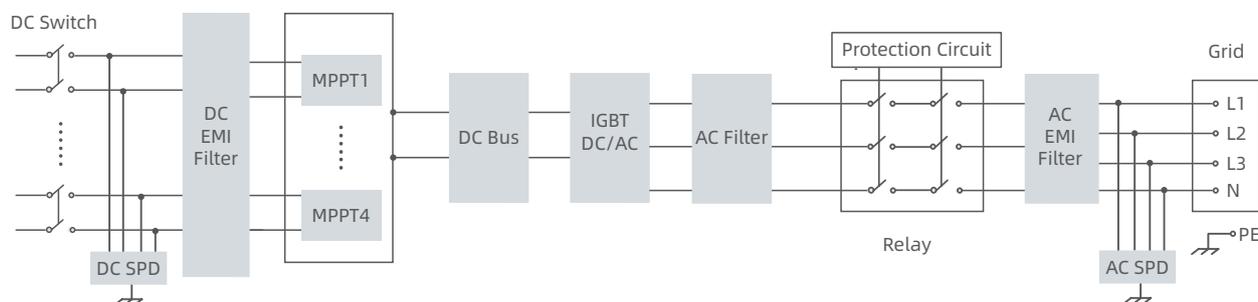
- Built-in zero export function interface
- Touch free commissioning via APP
- AC and DC redundant power supply



### Reliability

- Smart air cooling
- Built-in Type II DC&AC SPD
- Built-in PID recovery function (optional)

## TOPOLOGICAL GRAPH



# PARAMETERS

Model	hopeSun 60KTL	hopeSun 70KTL	hopeSun 75KTL	hopeSun 100KTL	hopeSun 110KTL
<b>DC Input</b>					
Max. PV Input Power	90 kW	105 kW	112.5 kW	150 kW	165 kW
Max. Input Voltage	1100 V				
Starting Voltage	180 V				
MPPT Voltage Range	200~1000 V				
MPPT Range Full Load	520~850 V			550~850 V	
Max. Input Current Per MPPT	45 A / 45 A / 45 A / 45 A			65 A / 65 A / 65 A / 65 A	
Max. Short-circuit Current	60 A / 60 A / 60 A / 60 A			100 A / 100 A / 100 A / 100 A	
Number of DC Inputs	3 / 3 / 3 / 3		4 / 3 / 3 / 4	5 / 5 / 5 / 5	
Number of MPP Trackers	4				
<b>AC Output</b>					
Rated Output Power	60 kW	70 kW	75 kW	100 kW	110 kW
Max. Output Power	66 kW	77 kW	82.5 kW	110 kW	121 kW
Rated Output Voltage	230 V / 400 V (3P + N + PE)				
Operating Voltage Range	300~520 V				
Rated Output Current	86.6 A	101.0 A	108.3 A	144.3 A	158.8 A
Max. Output Current	95 A	111 A	119 A	158.8 A	174.6 A
Rated Grid Frequency	50 Hz / 60 Hz				
Power Factor	>0.99 (0.8 leading~0.8 lagging)			>0.99 (0.9 leading~0.9 lagging)	
Harmonic (THD)	<3% (at rated power)				
<b>Efficiency</b>					
Max. Efficiency	98.50%			98.60%	
European Efficiency	98.20%			98.30%	
<b>Protection</b>					
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	
<b>General Parameters</b>					
Dimensions (W × H × D) <sup>①</sup>	705 × 650 × 297 mm			800 × 670 × 330 mm	
Weight	≤75 kg			≤89 kg	
Protection Degree	IP65				
Operating Temperature Range	-40~+60°C				
Cooling System	Smart air cooling				
Topology	Transformerless				
Operating Altitude	4000 m (>3000 m derating)				
Display	LED, WLAN + APP				
Communication	RS485 / Wi-Fi				
DC Connection Type	MC4				
AC Connection Type	OT / DT terminal				

① The dimension does not contain hangers, handles and other components. Please refer to the User Manual for detailed dimensions.

