



Authorised Channel Partner of Hopewind Inverter



Grace[®] Renewable Energy Ltd.

INDIA • CHINA • USA

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Model	HSSP3K -G01	HSSP4K -G01	HSSP5K -G01	HSSP6K -G01	HSSP8K -G01	HSSP10K -G01	hopeSun 8KTL	hopeSun 10KTL	hopeSun 12KTL
DC Input									
Max. PV Input Power							12kW	15kW	18kW
Max. Input Voltage	600V						1100V		
Starting Voltage	55V						180V		
MPPT Voltage Range	55 ~ 550V						200V~1000V		
MPPT Range Full Load	170~520V	210~520V	200~520V	235~520V	210~520V	260~520V	370~850V		
Max. Input Current of each MPPT	20A	22A	20A / 20A		20A / 26A		20A / 20A		
Max. short-circuit current	30A	33A	30A / 30A		30A / 39A		30A / 30A		
Number of DC Inputs	1	2	1/1		1/2		1 / 1		
Number of MPP Trackers	1		2						
AC Output									
Rated Output Power	3kW	4kW	5kW	6kW	8kW	10kW	8kW	10kW	12kW
Max. Output Power (cosθ=1)	3.3kW	4.4kW	5.5kW	6.6kW	8.8kW	11kW	8.8kW	11kW	13.2kW
Rated Output Voltage	220V / 230V (L + N + PE)						230V / 400V (3P + N + PE)		
Operating Voltage Range	165 ~ 275V						300V~520V		
Rated Output Current	13.6A	18.2A	22.7A	27.3A	36.4A	45.5A	11.6A	14.5A	17.4A
Max. Output Current	15A	20A	25A	30A	40A	50A	12.7A	16.0A	19.1A
Rated Grid Frequency	50Hz / 60Hz								
Power Factor	>0.99 (0.8 Leading ~0.8 Lagging)								
Harmonic (THD)	<3% (at rated power)								
Efficiency									
Max. Efficiency	97.80%						98.60%		
European Efficiency	97.00%	97.10%	98.10%		97.20%		98.10%		
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)	425*400*146mm		425*400*167mm		512*438*177mm		380*400*247mm		
Weight	≤8kg		≤12kg		≤16kg		≤22kg		
Protection Degree	IP66						IP65		
Operating Temperature Range	-25℃ ~ +60℃						-40℃ ~ +60℃		
Cooling System	Natural Cooling								
Topology	Transformer less								
Operating Altitude	4000m (>3000m derating)								
Display	LED, WLAN + APP								
Communication	WiFi								
DC Connection Type	MC4								
AC Connection Type	Plug-in connector						SC terminal		

Model	hopeSun 15KTL	hopeSun 17KTL	hopeSun 20KTL	hopeSun 22KTL	hopeSun 25KTL	hopeSun 30KTL	hopeSun 33KTL	hopeSun 36KTL	hopeSun 40KTL	hopeSun 50KTL
DC Input										
Max. PV Input Power	22.5kW	25.5kW	30kW	33kW	37.5kW	45kW	49.5kW	54kW	60kW	75kW
Max. Input Voltage	1100V									
Starting Voltage	180V									
MPPT Voltage Range	200V~1000V									
MPPT Range Full Load	450V~850V		425V~850V					375V~850V		450V~850V
Max. Input Current of each MPPT	26A/20A		30A/30A		40A/40A			45A/45A	54A/54A	60A/60A
Max. short-circuit current	39A/30A		45A/45A		60A/60A			67.5A/67.5A	81A/81A	90A/90A
Number of DC Inputs	2 / 1		2 / 2			3 / 3			5 / 4	
Number of MPP Trackers	2									
AC Output										
Rated Output Power	15kW	17kW	20kW	22kW	25kW	30kW	33kW	36kW	40kW	50kW
Max. Output Power (cosθ=1)	16.5kW	18.7kW	22kW	24.2kW	27.5kW	33kW	36.3kW	39.6kW	44kW	55kW
Rated Output Voltage	230V / 400V (3P + N + PE)									
Operating Voltage Range	300V~520V									
Rated Output Current	21.7A	24.6A	28.9A	31.8A	36.1A	43.5A	47.6A	52.0A	57.7A	72.2A
Max. Output Current	23.9A	27.0A	31.8A	35.0A	39.7A	47.6A	52.4A	57.2A	64A	80A
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%									
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 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					520*520*265mm		
Weight	≤22kg		≤25kg		≤30kg	≤35kg		≤44kg		
Protection Degree	IP65									
Operating Temperature Range	-40℃ ~ +60℃									
Cooling System	Smart Air Cooling									
Topology	Transformer less									
Operating Altitude	4000m (>3000m derating)									
Display	LED, WLAN + APP									
Communication	WiFi							RS485 / WiFi		
DC Connection Type	MC4									
AC Connection Type	SC terminal		Tube type terminal			OT/ DT terminal				

Model	hopeSun 60KTL	hopeSun 70KTL	hopeSun 75KTL	hopeSun 100KTL	hopeSun 110KTL	hopeSunHV 250KTL	HSHV 385K-G01
DC Input							
Max. PV Input Power	90kW	105kW	112.5kW	150kW	165kW	375kW	525 kW
Max. Input Voltage	1100V					1500 V	
Starting Voltage	180V					500V	550 V
MPPT Voltage Range	200 ~ 1000V					500 ~ 1500 V	
MPPT Range Full Load	520 ~ 850V			550 ~ 850V		820 ~ 1320V	860 ~ 1300 V
Max. Input Current Per MPPT	45A / 45A / 45A / 45A			65A / 65A / 65A / 65A		12 × 30 A	60 A
Max. Short-circuit Current	60A / 60A / 60A / 60A			100A / 100A / 100A / 100A		12 × 45 A	8 × 90 A
Number of DC Inputs	3 / 3 / 3 / 3		4 / 3 / 3 / 4		5 / 5 / 5 / 5		12 × 2 4 × 8
Number of MPP Trackers	4					12	8
AC Output							
Rated Output Power	60kW	70kW	75kW	100kW	110kW	250kW	385 kVA@40°C / 320 kVA@50°C
Max. Output Power	66kW	77kW	82.5kW	110kW	121kW	385 kW	
Rated Output Voltage	230V / 400V (3P + N + PE)					800 V (3P + PE)	
Operating Voltage Range	300 ~ 520V					680 ~ 880V	640 ~ 920V
Rated Output Current	86.6A	101.0A	108.3A	144.3A	158.8A	180.4 A	230.9 A
Max. Output Current	95A	111A	119A	158.8A	174.6A	184 A	277.9 A
Rated Grid Frequency	50Hz / 60Hz						
Power Factor	>0.99 (0.8 leading ~ 0.8 lagging)			>0.99 (0.9 leading ~ 0.9 lagging)		>0.99 (0.8leading~0.8lagging)	
Harmonic (THD)	<3% (at rated power)						
Efficiency							
Max. Efficiency	98.50%			98.60%		99.01%	
European Efficiency	98.20%			98.30%		98.52%	
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)	705*650*285 mm			800*670*330mm		1090*809*337.5mm	1100*868*418 mm
Weight	≤75kg			≤89kg		≤115 kg	≤135 kg
Protection Degree	IP65					IP66	
Operating Temperature Range	-40 ~ +60°C					-25 ~ +60°C	
Cooling System	Smart Air Cooling						
Topology	Transformerless						
Operating Altitude	4000m (>3000m derating)						
Display	LED, WLAN + APP					LED indicator/Wi-Fi+APP	
Communication	RS485 / Wi-Fi					RS485 / PLC	
DC Connection Type	MC4						
AC Connection Type	OT / DT terminal						

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

Company Profile

Shenzhen Hopewind Electric Co., Ltd. (Stock Code: 603063) focuses on the R&D, manufacturing, sales and services of renewable energy.

In the field of photovoltaic (PV) grid power generation, Hopewind offers competitive overall solutions, including string type and central/DC PV systems.

String PV inverters include residential 5kW ~ 8kW single-phase models, C&I 8kW~33kW low-power models, 36kW ~ 50kW medium-power models, 60kW ~ 125kW high-power models and DC1500V 250kW high-power models and HSHV 385 kW-G01

PV STRING INVERTER

hopeSun
8~33KTL



PV STRING INVERTER

hopeSun
36-50KTL



PV STRING INVERTER
hopeSun
60~110KTL

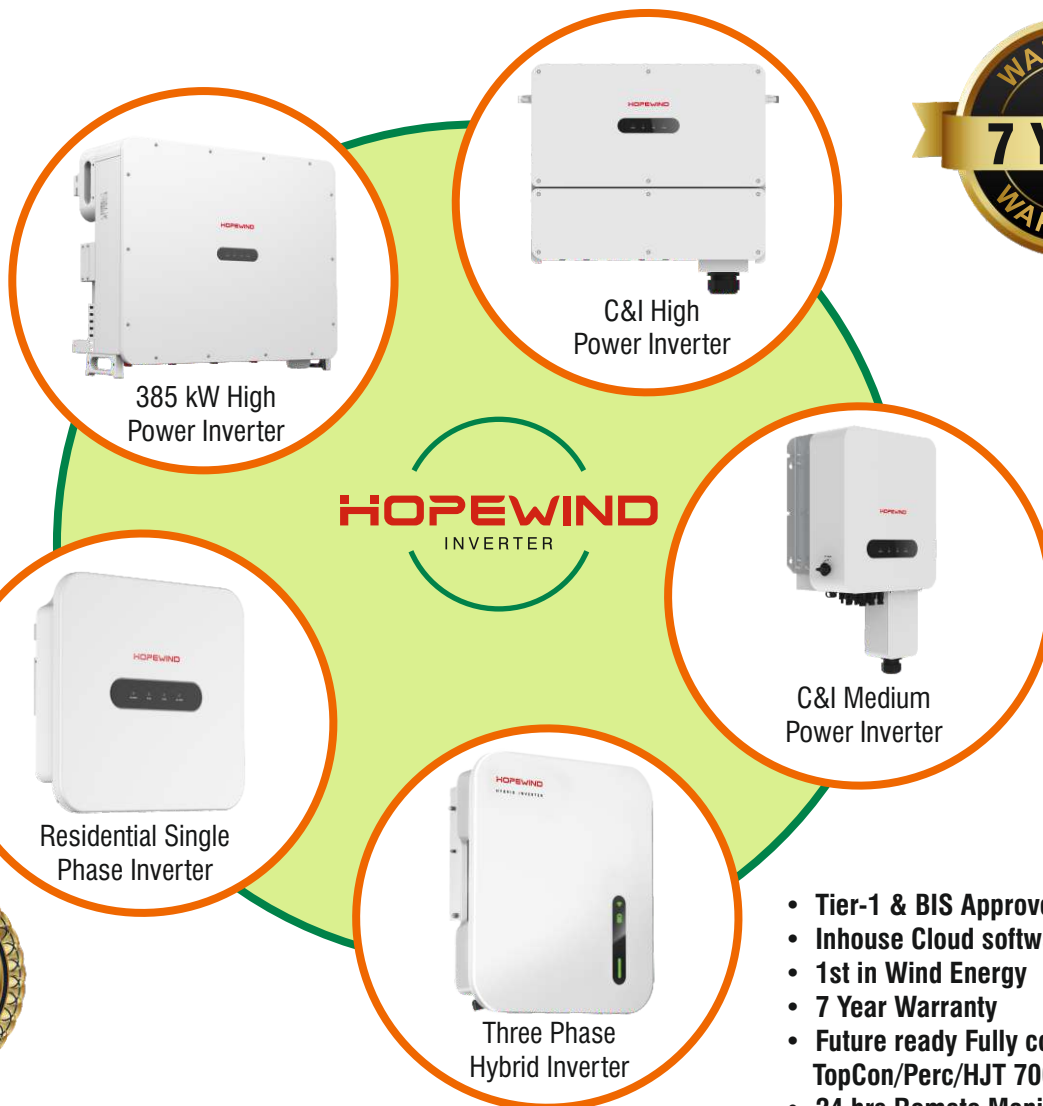


PV STRING INVERTER
hopeSunHV
250KTL



PV STRING INVERTER
HSHV 385K-G01

Authorised channel partner of Shenzhen Hopewind Electric Co. Ltd.



- Tier-1 & BIS Approved Inverters
- Inhouse Cloud software
- 1st in Wind Energy
- 7 Year Warranty
- Future ready Fully compatible with TopCon/Perc/HJT 700WP+ Panels
- 24 hrs Remote Monitoring



FEATURES:



Efficient

- Max. efficiency 99.01%
- Up to 20A PV input current supports 210mm & bifacial PV modules
- Highly-precise intelligent string detection



Reliable

- Built-in SPD modules
- Built-in PID recovery function
- Compatible in harsh environmental conditions
- Faulty strings automatic disconnection function



Convenient O&M

- Active and reactive power regulations
- Compatible with weak grid situation
- 24/7 continuously monitoring
- Remote firmware upgrade



Economy Friendly

- AC-side Aluminium cable compatibility
- PLC communication
- Night SVG function



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