



Ref. Certif. No.

SE-112795

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

GRID-CONNECTED PV INVERTER

Name and address of the applicant

Shenzhen Hopewind Technology Co., Ltd.
Room 101, Building B, No.94, Guangtian Road, Yanchuan
Community, Yanluo Street, Bao'an District, Shenzhen, China

Name and address of the manufacturer

Same as applicant

Name and address of the factory

Heyuan Hopewind Electric Co., Ltd.
Room 102, First floor, Complex Building (Plant 1), Xingchen
Industrial Park, South Keliu Road, High-tech Development
District, Heyuan, Guangdong, China

Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

See page 2

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

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Model / Type Ref.

HSHV320K-G01, HSHV330K-G01,
HSHV350K-G01, HSHV385K-G01

Additional information (if necessary may also be reported on page 2)

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62109-1:2010
IEC 62109-2:2011

As shown in the Test Report Ref. No. which forms part of this Certificate

231025074GZU-001, 231025074GZU-002

This CB Test Certificate is issued by the National Certification Body

Intertek Semko AB
Torshamnsgatan 43
Box 1103
SE-164 22 Kista, Sweden



Date: 15 December, 2023

Signature:

Quan Li

Ratings and principal characteristics

Max. input voltage : 1500 V,
 MPPT voltage range: 500–1500 V
 Max. input current per MPPT: 60 A

Rated output voltage: 800 V (3P + PE)
 Operating voltage range: 640–920 V
 Rated grid frequency: 50 Hz/60 Hz
 Rated output current: see page 2

Additional information

Model	HSHV320K-G01	HSHV330K-G01	HSHV350K-G01	HSHV385K-G01
Max. input voltage	1500 V			
Starting voltage	550 V			
MPPT voltage range	500–1500 V			
MPPT range full load	860–1300 V			
Rated input voltage	1080 V			
Max. input current per MPPT	60 A			
Max. short-circuit current	90 A			
Number of DC inputs	8 x 4			
Number of MPPT trackers	8			
Rated output power	320 kW	330 kW	350 kW	385 kW
Max. output apparent power	320 kVA	330 kVA	350 kVA	385 kVA
Max. output power	320 kW	330 kW	350 kW	385 kW
Rated output voltage	800 V (3P + PE)			
Operating voltage range	640–920 V			
Rated grid frequency	50 Hz/60 Hz			
Rated output current	230.9 A	238.2 A	252.6 A	277.9 A
Max. output current	230.9 A	238.2 A	252.6 A	277.9 A
Power factor	> 0.99 (0.8 leading – 0.8lagging)			
Operating temperature range	-25°C ~+60°C (45°C derating)			-25°C ~+60°C (40°C derating)
Operating altitude	4000m (derating is required above 3000m)			4000m (derating is required above 2000m)
Protection degree	IP66			
Software version:	Bootloader: V201B001D000.1083, FPGA: V501000.000.532, Booster side: V401B000D000.5560, Inverter side: 401B000D000.5559			
Hardware version:	PCB-HSHVF1_PCB_B, PCB-HSHVM1_PCB_C, PCB-HSHVC1_PCB_A, PCB-HSHVC3_PCB_A, PCB-HSHVK1_PCB_B, PCB-HSHVH1_PCB_A, PCB-HSHVW2_PCB_A, PCB-HSHVW3_PCB_A, PCB-HSHVL1_PCB_A, hopeSunU6_PCB_A, hopeSun1_PCB_A, hopeSunT5_PCB_A			

Date: 15 December, 2023

Signature:

