



Ref. Certif. No.

**SE-114362**

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

**CB TEST CERTIFICATE**

Product

Hybrid Inverter/Storage Inverter

Name and address of the applicant

Shenzhen Growatt New Energy Co., Ltd  
4-13/F, Building A, Sino-German(Europe) Industrial Park,  
Hangcheng Ave, Bao'an District, Shenzhen  
CHINA

Name and address of the manufacturer

Same as applicant

Name and address of the factory

Huizhou Growatt Smart Energy Co., Ltd.  
No. 4-6 Plant, No.5 Xingju West Road, Dongjiang Science  
and Technology Park, Dongxing Area, Zhongkai High-tech  
Zone, Huizhou, Guangdong  
CHINA

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

Additional Information on page 2

Ratings and principal characteristics

PV input: max 1100 d.c.V, Isc 40 A\*10  
AC input/output: 220V/380 a.c.V, 230V/400 a.c.V, 240V/415  
a.c.V  
Battery: 600V-1000 d.c.V  
General: Class I, IP66, -30°C - +60°C

Trademark / Brand (if any)

GROWATT

Customer's Testing Facility (CTF) Stage used

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Model / Type Ref.

See page 5

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  
IEC 62477-1:2022

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

240419014GZU-001, 240419014GZU-002,  
240419014GZU-003

This CB Test Certificate is issued by the National Certification Body

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

Date: 11 July, 2024

Signature:

Quan Li

**Ratings and principal characteristics**

Model	WIT 100K-H	WIT 100K-HE WIT 100K-HU	WIT 75K-H	WIT 75K-HE WIT 75K-HU
PV input data				
Max. PV voltage	1100 d.c.V			
PV voltage range	180V-800 d.c.V			
Max. input current	32 d.c.A*10			
PV Isc	40 d.c.A*10			
AC input/output data				
Rated input/ output power	100/100 KW	200/100 KW	75/75 KW	150/75 KW
Max. input/output apparent power	110/110 KVA	200/110 KVA	82.5/82.5 KVA	150/82.5 KVA
Nominal voltage	3W/N/PE 220V/380 a.c.V 230V/400 a.c.V 240V/415 a.c.V			
Max. input/output current	166.7/166.7 a.c.A	303/166.7 a.c.A	125/125 a.c.A	227.3/125 a.c.A
Nominal frequency	50/60 Hz			
Power factor range	1.0 Leading – 1.0 lagging			
Stand alone data				
Rated AC output power	100 KW		75 KW	
Nominal AC output voltage	220V/380 a.c.V 230V/400 a.c.V 240V/415 a.c.V			
Nominal AC output frequency	50/60 Hz			
Battery data				
Battery voltage range	600V-1000 d.c.V			
Max. charging and discharging current	167 d.c.A	125 d.c.A		
Type of battery	Lithium-ion			
Others				
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-30°C - +60°C			
Software version	TO1.0			

Date: 11 July, 2024

Signature:





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**SE-114362**

Model	WIT 63K-H	WIT 63K-HE WIT 63K-HU	WIT 50K-H	WIT 50K-HE WIT 50K-HU
PV input data				
Max. PV voltage	1100 d.c.V			
PV voltage range	180V-800 d.c.V			
Max. input current	32 d.c.A*8		32 d.c.A*7	
PV Isc	40 d.c.A*8		40 d.c.A*7	
AC input/output data				
Rated input/ output power	63/63 KW	126/63 KW	50/50 KW	100/50 KW
Max. input/output apparent power	69.3/69.3 KVA	126/69.3 KVA	55/55 KVA	100/55 KVA
Nominal voltage	3W/N/PE 220V/380 a.c.V 230V/400 a.c.V 240V/415 a.c.V			
Max. input/output current	105/105 a.c.A	190.9/105 a.c.A	83.3/83.3 a.c.A	151.5/83.3 a.c.A
Nominal frequency	50/60 Hz			
Power factor range	1.0 Leading – 1.0 lagging			
Stand alone data				
Rated AC output power	63 KW		50 KW	
Nominal AC output voltage	220V/380 a.c.V 230V/400 a.c.V 240V/415 a.c.V			
Nominal AC output frequency	50/60 Hz			
Battery data				
Battery voltage range	600V-1000 d.c.V			
Max. charging and discharging current	105 d.c.A		83.3 d.c.A	
Type of battery	Lithium-ion			
Others				
Safety level	Class I			
Ingress protection	IP66			
Operation temperature ambient	-30°C - +60°C			
Software version	TO1.0			

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Model	WIT 100K-A	WIT 100K-AE WIT 100K-AU	WIT 75K-A	WIT 75K-AE WIT 75K-AU
AC input/output data				
Rated input/ output power	100/100 KW	200/100 KW	75/75 KW	150/75 KW
Max. input/output apparent power	110/110 KVA	200/110 KVA	82.5/82.5 KVA	150/82.5 KVA
Nominal voltage	3W/N/PE 220V/380 a.c.V 230V/400 a.c.V 240V/415 a.c.V			
Max. input/output current	166.7/166.7 a.c.A	303/166.7 a.c.A	125/125 a.c.A	227.3/125 a.c.A
Nominal frequency	50/60 Hz			
Power factor range	1.0 Leading – 1.0 lagging			
Stand alone data				
Rated AC output power	100 KW		75 KW	
Nominal AC output voltage	220V/380 a.c.V 230V/400 a.c.V 240V/415 a.c.V			
Nominal AC output frequency	50/60 Hz			
Battery data				
Battery voltage range	600V-1000 d.c.V			
Max. charging and discharging current	167 d.c.A	125 d.c.A		
Type of battery	Lithium-ion			
Others				
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-30°C - +60°C			
Software version	TO1.0			

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Model	WIT 63K-A	WIT 63K-AE WIT 63K-AU	WIT 50K-A	WIT 50K-AE WIT 50K-AU
<b>AC input/output data</b>				
Rated input/ output power	63/63 KW	126/63 KW	50/50 KW	100/50 KW
Max. input/output apparent power	69.3/69.3 KVA	126/69.3 KVA	55/55 KVA	100/55 KVA
Nominal voltage	3W/N/PE 220V/380 a.c.V 230V/400 a.c.V 240V/415 a.c.V			
Max. input/output current	105/105 a.c.A	190.9/105 a.c.A	83.3/83.3 a.c.A	151.5/83.3 a.c.A
Nominal frequency	50/60 Hz			
Power factor range	1.0 Leading – 1.0 lagging			
<b>Stand alone data</b>				
Rated AC output power	63 KW		50 KW	
Nominal AC output voltage	220V/380 a.c.V 230V/400 a.c.V 240V/415 a.c.V			
Nominal AC output frequency	50/60 Hz			
<b>Battery data</b>				
Battery voltage range	600V-1000 d.c.V			
Max. charging and discharging current	105 d.c.A	83.3 d.c.A		
Type of battery	Lithium-ion			
<b>Others</b>				
Safety level	Class I			
Ingress protection	IP66			
Operation ambient temperature	-30°C - +60°C			
Software version	TO1.0			

**Model / Type Ref.**

WIT 50K-H, WIT 63K-H, WIT 75K-H, WIT 100K-H  
 WIT 50K-A, WIT 63K-A, WIT 75K-A, WIT 100K-A  
 WIT 50K-HE, WIT 63K-HE, WIT 75K-HE, WIT 100K-HE  
 WIT 50K-AE, WIT 63K-AE, WIT 75K-AE, WIT 100K-AE  
 WIT 50K-HU, WIT 63K-HU, WIT 75K-HU, WIT 100K-HU  
 WIT 50K-AU, WIT 63K-AU, WIT 75K-AU, WIT 100K-AU

Date: 11 July, 2024

Signature: