

# Certificate of Conformity

By the product certificate number

No: 2620/0202-CER/E1

Issued to

License holder

**Shenzhen Ateess Power Technology Co., Ltd**  
1st Floor of Building 3 at Sector B and 3rd Floor or Building 9,  
Henglong Industrial Park, Shuitian, Baoan District, Shenzhen,  
Guangdong Province, P.R. China



Trademark



Manufacturer

**Shenzhen Ateess Power Technology Co., Ltd**  
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Henglong Industrial Park, Shuitian, Baoan District, Shenzhen,  
Guangdong Province, P.R. China

It is certified that the product:

Type of generator **Hybrid Inverter**

Models	HPS100	HPS120	HPS150
Technical Data			
Rated Active Power	100 kW	120 kW	150 kW
Rated Voltage		400 V	
Rated Frequency		50 Hz	
Firmware version		DSP: HV3-SV4.1.09 / LCD: HV1.0-SV1.0.4	
Number of phases		Three phases (3P/PE)	
Isolation transformer		YES	

(See further information about rating characteristics in the page 2)

Is in compliance with

Regulation

**EN 50549-1: 2019**

Requirements for generating plants to be connected in parallel with distribution networks –  
Part 1: Connection to a LV Distribution Network - Generating Plants up to and including type B.

This certificate just covers PV inverters models certified below above-mentioned references to be installed in PV generating of type plants B to be connected to a LV distribution network.

The above-mentioned generating unit is certified according to the SGS internal procedure PE.T-ECPE-53 based on the requirements of the UNE-EN ISO / IEC 17065

This certificate cancels and supersedes the certificate reference no. 2620/0202-CER.

This certificate is valid until: 19<sup>th</sup> of June 2023.

First issued on: 19<sup>th</sup> of June 2020.

Madrid, 03<sup>rd</sup> July 2020



Daniel Arranz Muñiz  
Certification Manager



**Full list of rated characteristics of certified models:**

<b>Model Number</b>	<b>HPS100</b>	<b>HPS120</b>	<b>HPS150</b>
<b>PV parameters</b>			
PV rated Power	110 kW	132 kW	165 kW
Max. PV Power	150 kW	180 kW	225 kW
Max. PV input voltage	1000 Vd.c.		
PV MPPT voltage range	480-800 Vd.c.		
<b>Battery parameters</b>			
Battery operating voltage range	352-600 Vd.c.		
Max.Battery charge current	300 A	350 A	450 A
Max.Battery discharge current	313 A	374 A	467 A
Max.Battery charge power	150 kW	180 kW	225 kW
Max.Battery discharge power	110 kW	132 kW	165 kW
<b>AC output parameter</b>			
Rated voltage	400 Vac		
Rated current	144 A	173 A	217 A
Rated output power	100 kW	120 kW	150 kW
Rated frequency	50 Hz		
Frequency Range	45-55 Hz		
Max.output power	110 kVA	132 kVA	165 kVA
Max. input power	200 kVA	240 kVA	240 kVA
Power factor	1 default (+/- 0.8 adjustable)		
Ambient temperature	-25 °C ~ 55 °C		
Ingress protection	IP20		
Protective class	Class I		

