

# Certificate of Conformity

By the product certificate number

No. 2621/0052-CER

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**

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



It is certified that the product:

Type of generator Hybrid Inverter

Models

**HPS30**

**HPS50**

Technical Data

Rated Active Power

**33 kW**

**55 kW**

Rated Voltage

**400 V**

Rated Frequency

**50 Hz**

Firmware version

**DSP: HPS30K\_150K\_HV3\_SV4.1.14\_APP50549 /  
LCD: HPS30\_150K\_WEINVIEWScreen\_HV1.0\_SV1.08**

Number of phases

**Three phases**

Isolation transformer

**YES**

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

Is in compliance with the standard:

- **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 product is certified according to the standard EN 50549-1: 2019 and is valid to be installed in PV generating of type plants A and B to be connected to a LV distribution network. The relation between this European Standard with the relevant Article of COMMISSION REGULATION (EU) 2016/631 (NC RfG) is considered as it is indicated in the annex H of the standard EN 50549-1: 2019

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

First issued on: 05<sup>th</sup> April 2021.

This certificate is valid until: 05<sup>th</sup> April 2024.

Madrid, 05<sup>th</sup> April 2021

Daniel Arranz Muñoz  
Certification Manager



SGS Tecnos, S.A. C/ Trespaderne, 29 - 28042 Madrid

This certificate is issued by SGS under its General Conditions

for Product Certification at [www.sgs.com/terms\\_and\\_conditions](http://www.sgs.com/terms_and_conditions).

The status and validity of the certificate can be checked scanning the QR code above included or through the following web link database:

<https://www.sgs.com/en/certified-clients-and-products/electrical-products>

This document cannot be reproduced partially

No. 2621/0052-CER

Page 1 of 2

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

| Model Number                    | HPS30                          | HPS50   |
|---------------------------------|--------------------------------|---------|
| PV parameters                   |                                |         |
| PV rated Power                  | 33 kW                          | 55 kW   |
| Max. PV Power                   | 45 kW                          | 75 kW   |
| Max. PV input voltage           | 1000 Vd.c.                     |         |
| PV MPPT voltage range           | 480-800 Vd.c.                  |         |
| Battery parameters              |                                |         |
| Battery operating voltage range | 352-600 Vd.c.                  |         |
| Max.Battery charge current      | 100 A                          | 150 A   |
| Max.Battery discharge current   | 93 A                           | 156 A   |
| Max.Battery charge power        | 45 kW                          | 75 kW   |
| Max.Battery discharge power     | 33 kW                          | 55 kW   |
| AC output parameter             |                                |         |
| Rated voltage                   | 400 Vac                        |         |
| Rated current                   | 3*43 A                         | 3*72 A  |
| Rated output power              | 30 kW                          | 50 kW   |
| Rated frequency                 | 50 Hz                          |         |
| Frequency Range                 | 45-55 Hz                       |         |
| Max.output power                | 33 kVA                         | 55 kVA  |
| Max. input power                | 60 kVA                         | 100 kVA |
| Power factor                    | 1 default (+/- 0.8 adjustable) |         |
| Ambient temperature             | -25 °C ~ 55 °C                 |         |
| Ingress protection              | IP20                           |         |
| Protective class                | Class I                        |         |

