

VERIFICATION OF COMPLIANCE

No.: GZES2306010900PV01


Applicant: Shenzhen Ateess Power Technology Co., Ltd.
2nd Floor, No.23 Zhulongtian Road, Shuitian Community, Shiyan Street, Baoan District, Shenzhen, Guangdong, China

Manufacturer: Shenzhen Ateess Power Technology Co., Ltd.
2nd Floor, No.23 Zhulongtian Road, Shuitian Community, Shiyan Street, Baoan District, Shenzhen, Guangdong, China

Product Name: Bidirectional Battery Inverter

Product Description: Inverter used in Battery system

Model No.: HPS150, HPS100, HPS90, HPS120, HPS50, HPS30

Trade Mark: 

Rating: Refer to page 2

Intended Use: Battery System

Protection against Electric Shock: Class I

Additional Information (if any): IP 20
DSP: HPS30K 150K HV3 SV4.1.14 APP;
LCD: HPS30 150K WEINVIEWScreen HV1.0 SV1.1.8

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: VDE 0126-1-1:2013
(Couvert avec Enedis-PRO-RES_10E:26/06/2020, VFR:2013, VFR:2014 et VFR:2019)
UTE C15-712-1 (JUILLET 2013)

as shown in the

Test Report Number(s): GZES230601090001, GZES230601090101

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards.


David Guo
Senior Technical Manager
SGS-CSTC



2023-11-13

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Other information added :
Ratings

Model Number	HPS30	HPS50	HPS90	HPS100	HPS120	HPS150
PV parameters						
PV rated Power	33kW	55 kW	99KW	110 kW	132 kW	165 kW
Max. PV Power	45kW	75 kW	135KW	150 kW	180 kW	225 kW
Max. PV input voltage	1000 Vd.c.					
PV MPPT voltage range	480-800 Vd.c.					
Max. PV input current	90A	136A	207A	230 A	327 A	409 A
Battery parameters						
Battery operating voltage range	352-600 Vd.c.					
Max.Battery charge current	100A	150A	270A	300 A	350 A	450 A
Max.Battery discharge current	93A	156A	281A	313 A	374 A	467 A
Max.Battery charge power	45 kW	75 kW	135KW	150 kW	180 kW	225 kW
Max.Battery discharge power	33 kW	55 kW	99kw	110 kW	132 kW	165 kW
AC output parameter						
Rated voltage	400 Vac					
Rated current	43 A	72 A	130A	144 A	173 A	217 A
Rated output power	30 kW	50 kW	90KW	100 kW	120 kW	150 kW
Rated frequency	50 Hz					
Frequency Range	45-55 Hz					
Max.output power	33 kVA	55 kVA	90KVA	110 kVA	132 kVA	165 kVA
Max. input power	60 kVA	100 kVA	180KVA	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					



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