

## VERIFICATION OF COMPLIANCE

No.: LVD GZES2306010179PV

Applicant: Huizhou Foryou Optoelectronics Technology Co., Ltd  
Building 6, B Area, No.1 North Shangxia Road, Dongjiang  
High-Tech Industry Park, Huizhou, Guangdong, China

Manufacturer: Huizhou Foryou Optoelectronics Technology Co., Ltd  
Building 6, B Area, No.1 North Shangxia Road, Dongjiang  
High-Tech Industry Park, Huizhou, Guangdong, China

Product Name: Hybrid Inverter

Product Description: Hybrid Inverter used in PV system

Model No.: ED3600, ED4600, ED5000

Trade Mark: **ADAYO**

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information (if any): IP 65  
**Serial Number:** DN22222222  
**Master Software version:** GA01.001-001-001  
**Safety Firmware version:** DD1.0

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

Test Standard: EN 62109-1:2010  
EN 62109-2:2011

as shown in the

Test Report Number(s): GZES230601017901, GZES230601017902

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 harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.

  
David Guo  
Senior Technical Manager  
SGS-CSTC



2023-06-08

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Other information added :  
Ratings

Model	ED3600	ED4600	ED5000
<b>PV Input</b>			
Max. input voltage	500 Vdc		
Start-up operating voltage	150 Vdc		
Rated input voltage	360 Vdc		
MPPT operating voltage range	150-500 Vdc		
Full power MPPT voltage range	150-430 Vdc		
Max. input current	15 A/15 A	15 A/15 A	15 A/15 A
Max. short current	19.8 A/19.8 A	19.8 A/19.8 A	19.8 A/19.8 A
<b>Battery Input</b>			
operating voltage range	41.6V-58.5 Vdc		
input current	15 A/15 A	15 A/15 A	15 A/15 A
Maximum battery charge current	80 A	95 A	95 A
Maximum battery discharge current)	85 A	100 A	100 A
<b>AC Output</b>			
Nominal grid voltage	L/N/PE, 230 V		
Nominal grid frequency	50 Hz		
Rated AC power	3600 W	4600 W	5000 W
Max. AC power	3960 VA	5060 VA	5500 VA
Rated AC current	15.6 A	20.0 A	21.7 A
Max. AC current	17.2 A	22.0 A	23.9 A
Output power factor	1 default (adjustable+/-0.8)		
<b>General Data</b>			
Operating temperature range	-30 °C ~ +60 °C		
Protection degree	IP65		
Protective class	Class I		
Cooling method	Natural Cooling		
Topology	Transformerless		

  
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