

## VERIFICATION OF COMPLIANCE

No.: GZES2006020540PV-01A01

Applicant: Beijing Epsolar Technology Co., Ltd.  
No.228, Block A, 2nd Floor, Bldg 1, No.3 Street, Shangdi Xinxu  
Chanye Jidi, Haidian District, Beijing, China.

Manufacturer: Huizhou Epever Technology Co., Ltd.  
No.3 Building, #6 Bldg, Tashin Group, No.103 Dongxing Road,  
Chenjiang Street, Zhongkai High-Tech Zone, Huizhou  
City,Guangdong Province, P.R.China

Product Name: Inverter / Charger

Product Description: Inverter / Charger used in PV system

Model No.: UP5000-HM8042, UP3000-HM5042, UP3000-HM5041,  
UP3000-HM10022, UP3000-HM10021, UP2000-HM6022,  
UP2000-HM6021

Trade Mark: EPEVER

Rating: Refer to page 2

Protection against Electric Shock: Class I

Additional Information (if any): IP 30, Operation temperature range: -20degC to 55degC

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

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

as shown in the

Test Report Number(s): GZES200602054001, GZES200602054002

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

2020-08-27

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Other information added :

Rating:

Model Number	UP5000- HM8042	UP3000- HM5042	UP3000- HM10022	UP2000- HM6022	UP3000- HM5041	UP3000- HM10021	UP2000- HM6021
Battery input							
System battery voltage	48VDC	48VDC	24VDC	24VDC	48VDC	24VDC	24VDC
Battery input voltage range	43.2~ 64VDC	43.2~ 64VDC	21.6~ 32VDC	21.6~ 32VDC	43.2~ 64VDC	21.6~ 32VDC	21.6~ 32VDC
Maximum charging current of battery	80A	50A	100A	60A	50A	100A	60A
Inverter output							
Continuous output power	5000W	3000W	3000W	2000W	3000W	3000W	2000W
Output voltage	220/230Vac				110/120Vac		
Output frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Output current	22.7A/21.7A	13.6A/13A	13.6A/13A	9.1A/8.7A	27.3A/25A	27.3A/25A	18.2A/16.7A
PV input							
Max. PV open circuit voltage	500V	450V	450V	450V	450V	450V	450V
MPPT voltage range	120-400V	80-350V	80-350V	80-350V	80-350V	80-350V	80-350V
PV rated charge power	4000W	4000W	4000W	2500W	4000W	4000W	2500W
PV rated charge current	80A	50A	100A	60A	50A	100A	60A
General							
Operating temperature range	-20°C~55°C (Derating above 30°C)						
Enclosure IP degree	IP 30						
Pollution degree	PD2						



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Senior Technical Manager  
SGS-CSTC

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