

# Certificate of Conformity

No. ESY 122411 0011 Rev. 00

**Holder of Certificate: Shenzhen Eternalplanet Energy  
Pingshan Ltd.**

Room 220-3, Podium Building  
Innovation Plaza  
No. 2007, Pingshan Blvd, Liulian Community  
Pingshan Subdistrict, Pingshan District  
518118 Shenzhen, Guangdong  
PEOPLE'S REPUBLIC OF CHINA

**Product: Converter  
(Energy storage Inverter)**

**Model(s): EP Cube HES-EU1-706W,  
EP Cube HES-EU1-706G,  
EP Cube HES-EU1-710W,  
EP Cube HES-EU1-710G,  
EP Cube HES-EU1-713W,  
EP Cube HES-EU1-713G,  
EP Cube HES-EU1-716W,  
EP Cube HES-EU1-716G,  
EP Cube HES-EU1-720W,  
EP Cube HES-EU1-720G**

**Parameters:** See page 3-4

**Applicable standards:** NTS V2.1:2021-07

This Certificate of Conformity confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290223107501

**Date,** 2023-10-11



( Billy Qiu )

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Certification Body TÜV SÜD Product Service GmbH performed assessment of the products listed below:

Type of PGM to be installed	Photovoltaic, Type A
Test requirement	The certification complies with the requirements of the following documents:  Technical standard for monitoring the compliance of power generating modules according to EU Regulation 2016/631. Version 2.1 (2021-07-09) + correction of errors of Version 2.1 (2021-10-08)
Manufacturer	Eternalplanet Energy Co.,Ltd. 27th Floor, Building 3A, Longgang Intelligent Park, 518116, Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Model and Technical Data	See page 3-4
Software version	Software version: V0.0.8; Firmware version: A1.41

## Scope of assessment and results

Clause of NTS V2.1	Requirement	Type A	Assessment	
			Type	Result
5.1.	Power-frequency limited overfrequency regulation mode (MRPFL-O)	Yes	Test	Pass

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## Parameters:

Model	EP Cube HES-EU1- 706W	EP Cube HES-EU1- 710W	EP Cube HES-EU1- 713W	EP Cube HES-EU1- 716W	EP Cube HES-EU1- 720W
<b>PV input parameter</b>					
Maximum input voltage	600 Vd.c.				
MPPT voltage range	90~550 Vd.c.				
MPPT voltage range (full load)	312.5~450.0 Vd.c.				
Maximum input current	2*16 Ad.c.				
PV I <sub>sc</sub>	2*20 Ad.c.				
Maximum input power	10000 W				
<b>Battery input/output parameter</b>					
Battery type	LiFePO <sub>4</sub>				
Input voltage range	64.8~87.6 Vd.c.	97.2~131.4 Vd.c.	129.6~175.2 Vd.c.	162.0~219.0 Vd.c.	194.4~262.8 Vd.c.
Rate voltage	76.8 Vd.c.	115.2 Vd.c.	153.6 Vd.c.	192.0 Vd.c.	230.4 Vd.c.
Maximum input/output voltage	87.6 Vd.c.	131.4 Vd.c.	175.2 Vd.c.	219.0 Vd.c.	262.8 Vd.c.
Maximum charging current	55 Ad.c.				
Maximum charging power	3000 W	5000 W	6500 W	7600 W	7600 W
Maximum discharging current	55 Ad.c.				
Maximum discharging power	3000 W	5000 W	6500 W	7600 W	7600 W
<b>Grid parameter</b>					
Rated input/output voltage	L/N/PE~, 230 Va.c.				
Rated input/output frequency	50 Hz				
Maximum input current	33 Aa.c.				
Maximum input active power	7600 W				
Maximum input apparent power	7600 VA				
Maximum input active power from grid to battery	3000 W	5000 W	6500 W	7600 W	7600 W
Rated output current	33 Aa.c.				
Maximum continuous output current	33 Aa.c.				
Rated output active power	7600 W				
Maximum output active power	7600 W				
Maximum output apparent power	7600 VA				
Maximum output active power from battery to grid (without PV input)	3000 W	5000 W	6500 W	7600 W	7600 W
Power factor	0.8 inductive to 0.8 capacitive				

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