



Product Service

# Compliance Document

No. D 119458 0022 Rev. 00

**Holder of Certificate:** **ESY SUNHOME CO., LTD**  
101, Building 6, No.5-2, Inner Ring Road, Shanxia Community  
Pinghu Street, Longgang District  
518000 Shenzhen  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter  
(Hybrid Inverter)**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290243134401

**Date,** 2024-12-06

( Billy Qiu )



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**Model(s):** ESYSUNHOME HM5

**Parameters:**

Model	ESYSUNHOME HM5
PV terminal parameters	
Rated voltage [V <sub>DC</sub> ]	360
Maximum PV voltage [V <sub>DC</sub> ]	550
MPPT voltage range [V <sub>DC</sub> ]	100 - 540
MPPT voltage range (full load) [V <sub>DC</sub> ]	250 - 450
Maximum input current [A <sub>DC</sub> ]	15/15
Isc PV [A <sub>DC</sub> ]	20/20
MPPT tracker number	2
Maximum input power [W]	8000
Battery input/output parameters	
Battery type	Li-ion
Battery rated voltage [V <sub>DC</sub> ]	51.2
Battery voltage range [V <sub>DC</sub> ]	40.8 - 57.6
Maximum charge/discharge power [W]	5000/6000
Maximum charge/discharge current [A <sub>DC</sub> ]	100/120
Grid terminal input parameters	
Rated input voltage [V <sub>AC</sub> ]	1P+N+PE, 230
Rated input current [A <sub>AC</sub> ]	21.74
Maximum input current [A <sub>AC</sub> ]	21.74
Maximum input power from grid to battery [W]	5000
Maximum continuous input apparent power [VA]	5000
Rated input frequency [Hz]	50
Power factor	0.8 under-excited to 0.8 over-excited
Grid terminal output parameters	
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230
Rated output current [A <sub>AC</sub> ]	21.74
Maximum continuous output current [A <sub>AC</sub> ]	21.74
Rated output power [W]	5000
Maximum output active power [W]	5000
Maximum output apparent power [VA]	5000
Rated output frequency [Hz]	50
Power factor	0.8 under-excited to 0.8 over-excited

**Tested according to:**

EN 50549-1:2019/AC:2019  
 Netcode elektriciteit:2023  
 RfG:2016