

Compliance Document

No. D 123859 0009 Rev. 00

Holder of Certificate: **Energy Pro Hungary Kft.**
Koérberki út 36.
1112 Budapest
HUNGARY

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

Test report no.: 64290233177401B

Date, 2024-02-05



(Billy Qiu)

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Model(s): HBESS3-5, HBESS3-6, HBESS3-8,
HBESS3-10, HBESS3-12

Parameters:

Model	HBESS3-5	HBESS3-6	HBESS3-8	HBESS3-10	HBESS3-12
PV terminal parameters					
Vmax. PV	1000 Vd.c.				
MPPT Voltage Range	150 Vd.c.~900 Vd.c.				
MPPT Voltage Range (full load)	450 Vd.c.~750 Vd.c.				
Max. continuous PV input current	16 Ad.c./ 16 Ad.c.	16 Ad.c./ 16 Ad.c.	27 Ad.c./ 16 Ad.c.	27 Ad.c./ 16 Ad.c.	27 Ad.c./ 16 Ad.c.
Isc PV	20 Ad.c./ 20 Ad.c.	20 Ad.c./ 20 Ad.c.	34 Ad.c./ 20 Ad.c.	34 Ad.c./ 20 Ad.c.	34 Ad.c./ 20 Ad.c.
Max. continuous PV input power	23000 W	23000 W	29000 W	29000 W	29000 W
Battery terminal parameter					
Battery type	LFP				
Voltage range	650 Vd.c.~900 Vd.c.				
Rated voltage	720 Vd.c.				
Maximum charge/discharge current	24.6 Ad.c.*/ 8.5 Ad.c.	24.6 Ad.c.*/ 10.2 Ad.c.	24.6 Ad.c.*/ 13.5 Ad.c.	24.6 Ad.c.*/ 16.9 Ad.c.	24.6 Ad.c.*/ 18.5 Ad.c.
Maximum charge current from grid to battery	8.5 Ad.c.	10.2 Ad.c.	13.5 Ad.c.	16.9 Ad.c.	18.5 Ad.c.
Maximum charge/discharge power	16000 W*/ 5500 W	16000 W*/ 6600 W	16000 W*/ 8800 W	16000 W*/ 11000 W	16000 W*/ 12000W
Maximum charge power from grid to battery	5500 W	6600 W	8800 W	11000 W	12000 W
Grid terminal parameter					
Rated voltage	230/400 Va.c., 3W+N+PE				
Rated frequency	50 Hz				
Rated current output to Grid	7.2 Aa.c.	8.7 Aa.c.	11.6 Aa.c.	14.5 Aa.c.	17.4 Aa.c.
Maximum continuous current output to Grid	7.9 Aa.c.	9.6 Aa.c.	12.8 Aa.c.	16.0 Aa.c.	17.4 Aa.c.
Rated active power output to Grid	5000 W	6000 W	8000 W	10000 W	12000 W
Maximum apparent power output to Grid	5500 VA	6600 VA	8800 VA	11000 VA	12000 VA
Maximum continuous current from Grid	14.4 Aa.c.	17.4 Aa.c.	23.2 Aa.c.	26.0 Aa.c.	26.0 Aa.c.
Maximum apparent power from Grid	10000 VA	12000 VA	16000 VA	18000 VA	18000 VA
Power factor (Cos phi), adjustable	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				
Remark: *: The maximum charge current (24.6 Ad.c.) and power (16000 W) only in PV+Grid supply to battery mode.					



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**Tested
according to:**

IEC 61727:2004
IEC 62116:2014