



Product Service

Attestation of Conformity

No. N8A 123859 0006 Rev. 00

Holder of Attestation: **Energy Pro Hungary Kft.**

Koérberki út 36.
1112 Budapest
HUNGARY

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

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290223110901D

Date, 2023-12-20

(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.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
MPPT Voltage Range	150 Vd.c.~ 900 Vd.c.	150 Vd.c.~ 900 Vd.c.	150 Vd.c.~ 900 Vd.c.	150 Vd.c.~ 900 Vd.c.	150 Vd.c.~ 900 Vd.c.
MPPT Voltage Range (full load)	450 Vd.c.~ 750Vd.c.	450 Vd.c.~ 750Vd.c.	450 Vd.c.~ 750Vd.c.	450 Vd.c.~ 750Vd.c.	450 Vd.c.~ 750Vd.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	LFP	LFP	LFP	LFP
Voltage range	650 Vd.c.~ 900 Vd.c.	650 Vd.c.~ 900 Vd.c.	650 Vd.c.~ 900 Vd.c.	650 Vd.c.~ 900 Vd.c.	650 Vd.c.~ 900 Vd.c.
Rated voltage	720 Vd.c.	720 Vd.c.	720 Vd.c.	720 Vd.c.	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*/ 12000 W
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.

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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)				
Backup load terminal parameter					
Rated voltage	230/400 Va.c., 3W+N+PE				
Rated frequency	50 Hz				
Rated output Current	7.2 Aa.c.	8.7 Aa.c.	11.6 Aa.c.	14.5 Aa.c.	17.4 Aa.c.
Maximum continuous output current	7.9 Aa.c.	9.6 Aa.c.	12.7 Aa.c.	15.9 Aa.c.	17.4 Aa.c.
Maximum continuous output power	5500 VA	6600 VA	8800 VA	11000 VA	12000 VA
Power factor (Cos phi), adjustable	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)				
General					
Operating temperature range	-20 °C ~ 50 °C (Auto derating above 35 °C)				
Protection class	I				
Ingress protection	IP65				
Operating altitude range	2000m				
Remark: *: The maximum charge current (24.6 Ad.c.) and power (16000 W) only in PV+Grid supply to battery.					

Tested according to:

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

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