



Product Service

Compliance Document

No. D 109576 0013 Rev. 00

Holder of Certificate: **WeCo SRL**

Viale Kennedy 113-121 Scarperia e San Piero
50038 Firenze
ITALY

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.: 64290243101901

Date, 2024-08-19

(Billy Qiu)



Compliance Document

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Model(s): H-ESY-6K, H-ESY-8K, H-ESY-10K,
H-ESY-12K, H-ESY-15K, H-ESY-6KT,
H-ESY-8KT, H-ESY-10KT, H-ESY-12KT,
H-ESY-15KT

Parameters:

Model	H-ESY-6K	H-ESY-8K	H-ESY-10K	H-ESY-12K	H-ESY-15K
PV terminal parameters					
Maximum PV voltage [V _{DC}]	1000				
Rated voltage [V _{DC}]	700				
MPPT voltage range [V _{DC}]	180-850				
MPPT voltage range (full load) [V _{DC}]	180-850	240-850	300-850	360-850	410-850
Maximum input current [A _{DC}]	18/18				20/20
Isc PV [A _{DC}]	25/25				30/30
MPPT tracker number	2				
Maximum input power [W]	9000	12000	15000	18000	22500
Battery input/output parameters					
Battery type	Lithium				
Maximum voltage [V _{DC}]	600				
Battery rated voltage [V _{DC}]	200	250	300	350	400
Battery voltage range [V _{DC}]	125-600				
Maximum charge power [W]	6600	8800	11000	13200	16500
Maximum discharge power [W]	6600	8800	11000	13200	16500
Maximum charge current [A _{DC}]	50				
Maximum discharge current [A _{DC}]	50				
Maximum charge power from grid to battery [W]	6600	8800	11000	13200	16500
Grid input terminal parameters					
Rated input voltage [V _{AC}]	3P+N+PE, 230/400				
Rated input frequency [Hz]	50				
Maximum continuous input current from grid to battery [A _{AC}]	9.5	12.7	15.9	19.1	23.8
Maximum continuous input current [A _{AC}]	19.0	25.5	31.9	38.2	47.6
Maximum continuous input power from grid to battery [W]	6600	8800	11000	13200	16500
Maximum continuous input active power [W]	13200	17600	22000	26400	33000
Maximum continuous input apparent power [VA]	13200	17600	22000	26400	33000



Product Service

Compliance Document

No. D 109576 0013 Rev. 00

Grid output terminal parameters					
Rated output voltage [V _{AC}]	3P+N+PE, 230/400				
Rated output frequency [Hz]	50				
Rated output current [A _{AC}]	8.7	11.6	14.5	17.4	21.7
Maximum continuous output current [A _{AC}]	9.5	12.7	15.9	19.1	23.8
Rated output active power [W]	6000	8000	10000	12000	15000
Maximum output active power [W]	6000	8000	10000	12000	15000
Maximum output apparent power [VA]	6600	8800	11000	13200	16500
Power factor range	0.9 inductive(under-excited) to 0.9 capacitive(over-excited)				

Model	H-ESY-6KT	H-ESY-8KT	H-ESY-10KT	H-ESY-12KT	H-ESY-15KT
PV terminal parameters					
Maximum PV voltage [V _{DC}]	1000				
Rated voltage [V _{DC}]	700				
MPPT voltage range [V _{DC}]	180-850				
MPPT voltage range (full load) [V _{DC}]	250-850	330-850	430-850	510-850	620-850
Maximum input current [A _{DC}]	13/13				
Isc PV [A _{DC}]	16/16				25/25
MPPT tracker number	2				
Maximum input power [W]	9000	12000	15000	18000	22500
Battery input/output parameters					
Battery type	Lithium				
Maximum voltage [V _{DC}]	600				
Battery rated voltage [V _{DC}]	200	250	300	350	400
Battery voltage range [V _{DC}]	125-600				
Maximum charge power [W]	15000				
Maximum discharge power [W]	15000				
Maximum charge current [A _{DC}]	50				
Maximum discharge current [A _{DC}]	50				
Maximum charge power from grid to battery [W]	6600	8800	11000	13200	16500
Grid input terminal parameters					
Rated input voltage [V _{AC}]	3P+N+PE, 230/400				
Rated input frequency [Hz]	50				
Maximum continuous input current from grid to battery [A _{AC}]	9.5	12.7	15.9	19.1	23.8

Compliance Document

No. D 109576 0013 Rev. 00

Maximum continuous input current [A _{AC}]	19.0	25.5	31.9	38.2	47.6
Maximum continuous input power from grid to battery [W]	6600	8800	11000	13200	16500
Maximum continuous input active power [W]	13200	17600	22000	26400	33000
Maximum continuous input apparent power [VA]	13200	17600	22000	26400	33000
Grid output terminal parameters					
Rated output voltage [V _{AC}]	3P+N+PE, 230/400				
Rated output frequency [Hz]	50				
Rated output current [A _{AC}]	8.7	11.6	14.5	17.4	21.7
Maximum continuous output current [A _{AC}]	9.5	12.7	15.9	19.1	23.8
Rated output active power [W]	6000	8000	10000	12000	15000
Maximum output active power [W]	6000	8000	10000	12000	15000
Maximum output apparent power [VA]	6600	8800	11000	13200	16500
Power factor range	0.9 inductive(under-excited) to 0.9 capacitive(over-excited)				

Remark: The subject model(s) are tested and verified as Category A with DK1 and DK2 setting according to Technical Regulation 3.3.1 for Electrical Energy Storage Facilities (Dated 2023-01-01) issued by Energinet, Denmark.

Tested

according to:

TF 3.3.1:2023