



Product Service

CERTIFICATE

No. Z2 109576 0011 Rev. 00

Holder of Certificate: **WeCo SRL**

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

Certification Mark:



Product:

**Converter
(Hybrid Inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290233158101

Valid until: 2029-08-07

Date, 2024-08-09

(Billy Qiu)

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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
Battery terminal parameters					
Rated battery DC voltage	200 Vd.c.	250 Vd.c.	300 Vd.c.	350 Vd.c.	400 Vd.c.
Battery DC voltage range	125-600 Vd.c.				
Max charging / discharging current	50 Ad.c.				
Battery type	Lithium-ion				
Maximum charge / discharge power	6600 W	8800 W	11000 W	13200 W	16500 W
PV terminal parameters					
Max. Input Power	9000 W	12000 W	15000 W	18000 W	22500 W
Maximum DC input voltage	1000 Vd.c.				
MPPT Range	180~850 Vd.c.				
MPPT Range (full load)	180~850 Vd.c.	240~850 Vd.c.	300~850 Vd.c.	360~850 Vd.c.	410~850 Vd.c.
Max. Input Current	2*18 Ad.c.				2*20 Ad.c.
Isc PV	2*25 Ad.c.				2*30 Ad.c.
Grid terminal parameters					
Rated output Power	6000 W	8000 W	10000 W	12000 W	15000 W
Maximum continuous output apparent power	6600 VA	8800 VA	11000 VA	13200 VA	16500 VA
Max. AC output current	9.5 Aa.c.	12.7 Aa.c.	15.9 Aa.c.	19.1 Aa.c.	23.8 Aa.c.
Maximum continuous input apparent power	13200 VA	17600 VA	22000 VA	26400 VA	33000 VA
Max. AC input current	19 Aa.c.	25.5 Aa.c.	31.9 Aa.c.	38.2 Aa.c.	47.6 Aa.c.
Rated AC voltage	230/400 Va.c., 3W+N+PE				
Rated AC frequency	50/60 Hz				
Power factor	0.9lagging to 0.9leading				
Backup terminal parameters					
Rated apparent power	6000 VA	8000 VA	10000 VA	12000 VA	15000 VA
Maximum continuous output apparent power	6600 VA	8800 VA	11000 VA	13200 VA	16500 VA
Max. AC current	9.5 Aa.c.	12.7 Aa.c.	15.9 Aa.c.	19.1 Aa.c.	23.8 Aa.c.

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Rated AC voltage	230/400 Va.c., 3W+N+PE
Rated AC frequency	50/60 Hz
General	
Protection class	I
Ingress protection	IP 65
Overvoltage Category	II(PV/Battery), III(Mains)
Temperature	-25 °C ~ +60 °C, derating above 45 °C
Altitude	≤ 2000

Model	H-ESY-6KT	H-ESY-8KT	H-ESY-10KT	H-ESY-12KT	H-ESY-15KT
Battery terminal parameters					
Rated battery DC voltage	200 Vd.c.	250 Vd.c.	300 Vd.c.	350 Vd.c.	400 Vd.c.
Battery DC voltage range	125-600 Vd.c.				
Max charging / discharging current	50 Ad.c.				
Battery type	Lithium-ion				
Maximum charge / discharge power	15000 W				
PV terminal parameters					
Max. Input Power	9000 W	12000 W	15000 W	18000 W	22500 W
Maximum DC input voltage	1000 Vd.c.				
MPPT Range	180~850 Vd.c.				
MPPT Range (full load)	250~850 Vd.c.	330~850 Vd.c.	430~850 Vd.c.	510~850 Vd.c.	620~850 Vd.c.
Max. Input Current	2*13 Ad.c.				
Isc PV	2*16 Ad.c.				2*25 Ad.c.
Grid terminal parameters					
Rated output Power	6000 W	8000 W	10000 W	12000 W	15000 W
Maximum continuous output apparent power	6600 VA	8800 VA	11000 VA	13200 VA	16500 VA
Max. AC output current	9.5 Aa.c.	12.7 Aa.c.	15.9 Aa.c.	19.1 Aa.c.	23.8 Aa.c.
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Rated AC frequency	50/60 Hz				
Power factor	0.9lagging to 0.9leading				
Backup terminal parameters					

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Max. AC current	9.5 Aa.c.	12.7 Aa.c.	15.9 Aa.c.	19.1 Aa.c.	23.8 Aa.c.
Rated AC voltage	230/400 Va.c., 3W+N+PE				
Rated AC frequency	50/60 Hz				
General					
Protection class	I				
Ingress protection	IP 65				
Overvoltage Category	II(PV/Battery), III(Mains)				
Temperature	-25 °C ~ +60 °C, derating above 45 °C				
Altitude	≤ 2000				

**Tested
according to:**

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