



Product Service

# Compliance Document

No. D 109576 0014 Rev. 00

**Holder of Certificate:**    **WeCo SRL**  
 Viale Kennedy 113-121 Scarperia e San Piero  
 50038 Firenze  
 ITALY

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

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**Test report no.:**                                64290243105101

**Date,**                                2024-08-13

( 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 |
|--------------------------------------------------------------------------|------------------|----------|-----------|-----------|-----------|
| PV terminal parameters                                                   |                  |          |           |           |           |
| Maximum PV voltage [V <sub>DC</sub> ]                                    | 1000             |          |           |           |           |
| Rated voltage [V <sub>DC</sub> ]                                         | 700              |          |           |           |           |
| MPPT voltage range [V <sub>DC</sub> ]                                    | 180-850          |          |           |           |           |
| MPPT voltage range (full load) [V <sub>DC</sub> ]                        | 180-850          | 240-850  | 300-850   | 360-850   | 410-850   |
| Maximum input current [A <sub>DC</sub> ]                                 | 18/18            |          |           |           | 20/20     |
| Isc PV [A <sub>DC</sub> ]                                                | 25/25            |          |           |           | 30/30     |
| MPPT tracker number                                                      | 2                |          |           |           |           |
| Maximum input power [W]                                                  | 9000             | 12000    | 15000     | 18000     | 22500     |
| Battery input/output parameters                                          |                  |          |           |           |           |
| Battery type                                                             | Lithium-ion      |          |           |           |           |
| Maximum voltage [V <sub>DC</sub> ]                                       | 600              |          |           |           |           |
| Battery rated voltage [V <sub>DC</sub> ]                                 | 200              | 250      | 300       | 350       | 400       |
| Battery voltage range [V <sub>DC</sub> ]                                 | 125-600          |          |           |           |           |
| Maximum charge power [W]                                                 | 6000             | 8000     | 10000     | 12000     | 15000     |
| Maximum discharge power [W]                                              | 6000             | 8000     | 10000     | 12000     | 15000     |
| Maximum charge current [A <sub>DC</sub> ]                                | 50               |          |           |           |           |
| Maximum discharge current [A <sub>DC</sub> ]                             | 50               |          |           |           |           |
| Maximum charge power from grid to battery [W]                            | 6000             | 8000     | 10000     | 12000     | 15000     |
| Grid terminal input parameters                                           |                  |          |           |           |           |
| Rated input voltage [V <sub>AC</sub> ]                                   | 3P+N+PE, 230/400 |          |           |           |           |
| Rated input frequency [Hz]                                               | 50               |          |           |           |           |
| Maximum continuous input current from grid to battery [A <sub>AC</sub> ] | 9.5              | 12.7     | 15.9      | 19.1      | 23.8      |
| Maximum continuous input current [A <sub>AC</sub> ]                      | 19               | 25.5     | 31.9      | 38.2      | 47.6      |
| Maximum continuous input power from grid to battery [W]                  | 6000             | 8000     | 10000     | 12000     | 15000     |
| Maximum continuous input active power [W]                                | 13200            | 17600    | 22000     | 26400     | 33000     |
| Maximum continuous input apparent power [VA]                             | 13200            | 17600    | 22000     | 26400     | 33000     |



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| Grid terminal output parameters                      |                                                                   |      |       |       |       |
|------------------------------------------------------|-------------------------------------------------------------------|------|-------|-------|-------|
| Rated output voltage [V <sub>AC</sub> ]              | 3P+N+PE, 230/400                                                  |      |       |       |       |
| Rated output frequency [Hz]                          | 50                                                                |      |       |       |       |
| Rated output current [A <sub>AC</sub> ]              | 8.7                                                               | 11.6 | 14.5  | 17.4  | 21.7  |
| Maximum continuous output current [A <sub>AC</sub> ] | 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<br>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 <sub>DC</sub> ]                                    | 1000             |           |            |            |            |
| Rated voltage [V <sub>DC</sub> ]                                         | 700              |           |            |            |            |
| MPPT voltage range [V <sub>DC</sub> ]                                    | 180-850          |           |            |            |            |
| MPPT voltage range (full load) [V <sub>DC</sub> ]                        | 200-850          | 330-850   | 430-850    | 510-850    | 620-850    |
| Maximum input current [A <sub>DC</sub> ]                                 | 13/13            |           |            |            |            |
| Isc PV [A <sub>DC</sub> ]                                                | 16/16            |           |            |            | 25/25      |
| MPPT tracker number                                                      | 2                |           |            |            |            |
| Maximum input power [W]                                                  | 9000             | 12000     | 15000      | 18000      | 22500      |
| Battery input/output parameters                                          |                  |           |            |            |            |
| Battery type                                                             | Lithium-ion      |           |            |            |            |
| Maximum voltage [V <sub>DC</sub> ]                                       | 600              |           |            |            |            |
| Battery rated voltage [V <sub>DC</sub> ]                                 | 200              | 250       | 300        | 350        | 400        |
| Battery voltage range [V <sub>DC</sub> ]                                 | 125-600          |           |            |            |            |
| Maximum charge power [W]                                                 | 6000             | 8000      | 10000      | 12000      | 15000      |
| Maximum discharge power [W]                                              | 6000             | 8000      | 10000      | 12000      | 15000      |
| Maximum charge current [A <sub>DC</sub> ]                                | 50               |           |            |            |            |
| Maximum discharge current [A <sub>DC</sub> ]                             | 50               |           |            |            |            |
| Maximum charge power from grid to battery [W]                            | 6000             | 8000      | 10000      | 12000      | 15000      |
| Grid terminal input parameters                                           |                  |           |            |            |            |
| Rated input voltage [V <sub>AC</sub> ]                                   | 3P+N+PE, 230/400 |           |            |            |            |
| Rated input frequency [Hz]                                               | 50               |           |            |            |            |
| Maximum continuous input current from grid to battery [A <sub>AC</sub> ] | 9.5              | 12.7      | 15.9       | 19.1       | 23.8       |



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|                                                         |                                                                |       |       |       |       |
|---------------------------------------------------------|----------------------------------------------------------------|-------|-------|-------|-------|
| Maximum continuous input current [A <sub>AC</sub> ]     | 19                                                             | 25.5  | 31.9  | 38.2  | 47.6  |
| Maximum continuous input power from grid to battery [W] | 6000                                                           | 8000  | 10000 | 12000 | 15000 |
| Maximum continuous input active power [W]               | 13200                                                          | 17600 | 22000 | 26400 | 33000 |
| Maximum continuous input apparent power [VA]            | 13200                                                          | 17600 | 22000 | 26400 | 33000 |
| Grid terminal output parameters                         |                                                                |       |       |       |       |
| Rated output voltage [V <sub>AC</sub> ]                 | 3P+N+PE, 230/400                                               |       |       |       |       |
| Rated output frequency [Hz]                             | 50                                                             |       |       |       |       |
| Rated output current [A <sub>AC</sub> ]                 | 8.7                                                            | 11.6  | 14.5  | 17.4  | 21.7  |
| Maximum continuous output current [A <sub>AC</sub> ]    | 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) |       |       |       |       |

**Tested  
according to:**

EN 50549-1:2019/AC:2019