

# 2,7 kWp Solar Bundle - EASY 1.6

## Smart energy one-stop solution

This 2,7 kWp off-grid solar power system with battery is a sustainable, smart energy storage solution for improving household energy efficiency.

By integrating advanced storage features, the system enables homeowners to optimize their energy consumption, reduce dependence on the grid, and minimize energy costs.

Our complete solution includes all necessary components such as an inverter, 5.12 kW battery, 6 solar modules with 450 Wp each, a combiner box, and all required solar cables for the bundle.

Solar power systems with batteries offer households a reliable and environmentally friendly way to manage energy. For example, they weigh only 42.5 kg for 5.12 kW of continuous power.



### Technical description:

|                                                |                                                               |
|------------------------------------------------|---------------------------------------------------------------|
| <b>Battery rated voltage:</b>                  | 51,2Vdc                                                       |
| <b>Battery capacity:</b>                       | 5120 Wh                                                       |
| <b>Rated input power:</b>                      | 5000W                                                         |
| <b>AC input voltage:</b>                       | 90-280 VAC                                                    |
| <b>Output voltage:</b>                         | 230 V                                                         |
| <b>Output frequency:</b>                       | 50Hz/60H                                                      |
| <b>Output wave:</b>                            | Pure sin wave                                                 |
| <b>MPPT voltage range:</b>                     | 180-450 VDC                                                   |
| <b>Max PV input power:</b>                     | 5000W                                                         |
| <b>Charge current range:</b>                   | 0 - 80A                                                       |
| <b>MPPT efficiency:</b>                        | ≤96%                                                          |
| <b>PV max open circuit voltage:</b>            | 500V                                                          |
| <b>5V USB DC output:</b>                       | Current limiting 2A                                           |
| <b>12V DC2.1 DC output:</b>                    | Current limiting 2A                                           |
| <b>Temperature control system</b>              | Smart fan                                                     |
| <b>Work environment temperature:</b>           | -20°C ~ +50°C                                                 |
| <b>Storage environment temperature:</b>        | -25°C ~ +55°C                                                 |
| <b>Cell technology:</b>                        | Lifepo4 Lithium iron phosphate                                |
| <b>Cycle life:</b>                             | ≈ 6000 Cycles @ 80%                                           |
| <b>Operating/Storage environment humidity:</b> | 0-90% no condensate                                           |
| <b>Scalability:</b>                            | max. 15 Solar panels 450Wp in this system                     |
| <b>Solar panel typ:</b>                        | Monocrystalline silicon, max. 450 Wp                          |
| <b>Color:</b>                                  | Powerstation - white/black<br>Panel frame in natural aluminum |
| <b>Main dimensions powerbox:</b>               | H 675 x W 590mm x D 238 mm                                    |
| <b>Main dimensions solar panel:</b>            | H 1762 x W 1134 x D30 mm                                      |
| <b>Weight powerbox:</b>                        | 57,6 kg                                                       |
| <b>Weight each solar panel:</b>                | 24,6 kg/per pcs.                                              |
| <b>Installation powerbox:</b>                  | Floor standing or wall mounted                                |
| <b>Installation solar panels:</b>              | on our fastening systems for walls, roofs or floors           |
| <b>Mounting systems + fastening:</b>           | ist not included in this bundle                               |
| <b>Wiring:</b>                                 | all solar cables included                                     |

Due to the complexity of the numerous possible combinations of inverters, batteries, and solar panels, the specified technical parameters, including the performance parameters, are typical values. The actual values of specific products in specific configurations may differ from these typical values. The information and diagrams contained in this document do not constitute an offer or a contractual obligation. Product parameters are subject to change due to technical innovations and are subject to change without prior notice. We manufacture in accordance with DIN, EN, VDE, and CE regulations.