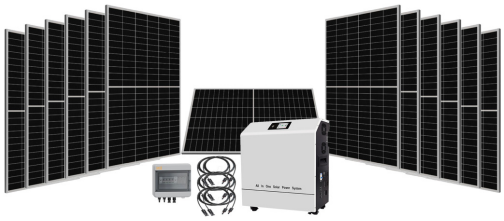
5,85 kWp Solar Bundle - EASY 1.13

Smart energy one-stop solution

This 5,85 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, 13 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:

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

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