

# 4,5 kWp Solar Bundle - EASY 1.10

## Smart energy one-stop solution

This 4.5 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, 10 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 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.

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Smart energy one-stop solution

**WECASS BRAUN - Your sun, your energy, your independence!**

The revolution starts in your home!

No more power outages!

No more expensive electricity bills!

No more dependence on the power grid!

Imagine: 24 hours a day, 7 days a week – your own clean energy straight from the sky!



What you get - A true energy monster:

- 10 premium solar panels! 👍
  - Each panel delivers up to 450Wp of pure solar energy! 👍
  - Together, a gigantic 4.5 kWp solar power plant on your roof! 👍
  - The legendary 5kW power station – the heart of your energy future:
  - 5,120Wh LiFePO4 premium battery – state-of-the-art lithium iron phosphate technology! 👍
  - 6,000 charging cycles - An investment for over 15 years of daily use! 👍
  - 100A maximum current – no problem even for energy-hungry devices!
  - Compact & flexible (57.4 x 16.5 x 36.3 cm, 42.5 kg) – can be mounted on the floor or wall! 👍
  - Extreme temperature resistance - works from -20°C to +60°C! 👍
  - Expandable up to 15 units – your system grows with your needs! 👍
  - Intelligent LED display – you always have your energy consumption in view! 👍
  - State-of-the-art communication (RS485/RS232/CAN) – technology that inspires! 👍
- Professional accessories included:
- High-quality combiner box for surge protection and optimal energy distribution! 👍
  - 10 premium solar connection cables – everything ready for installation! 👍

💡 Imagine:

Your neighbors are sitting in the dark—you're enjoying bright lights, a running TV, and chilled drinks! While others complain about rising electricity prices, you smile relaxed and enjoy your FREE solar energy, because the sun costs no money! 💰  
Your family is proud of you—because you have made the smartest decision for the future!

WECASS BRAUN – More than just solar power, it's QUALITY OF LIFE!

From Lagos, for all of Nigeria!

Your sun won't wait – neither will your independence!

CONTACT US NOW and start your journey into the future of energy!

**WECASS BRAUN - Where the Sun meets Innovation!** 🇳🇮🇵🇸🇩🇪