

ES-2002 ENERGY SYSTEM

- > **HIGH CAPACITY**
- > **EFFICIENT CHARGING**
- > **DGUV-APPROVED**

PROFESSIONAL AND RELIABLE ALL-IN-ONE ENERGY SYSTEM WITH DGUV APPROVAL FOR INSTALLATION IN COMMERCIAL VEHICLES

The energy system ES-2002 is targeted at the German market as it complies with the German standard DGUV 203-032 for mobile generators as well as the corresponding standard from the Danish Standard*.

ES-2002 is a further development of our reliable and proven energy system ES-2000 and has a built-in DC/DC charger, IMD monitoring relay and IP54 protection of the relays.

With the ES-2002, you can save time looking for sockets for your power tool. The energy system's powerful 2000W combi-inverter delivers power as in the socket and supplies your 230V devices such as hand tools, computer, drone and workstation and charges the batteries for all the battery-powered tools.

The ES-2002 has a robust and shockproof steel cabinet and is designed for floor installation in commercial vehicles, where it takes up the least possible space. It has a removable display that can be mounted where it is most practical and built-in Bluetooth for battery monitoring via AWILCO's app. You can also have an on/off function fitted to the car's ignition key.

The ES-2002 has a completely unique recessed cable connection, which makes it easier to get to plugs and cables and which also saves space behind the energy system.

The intelligent battery management system BMS protects the batteries against overload and ensures the longest possible life of the energy system.

The BMS also ensures fast and efficient charging of the battery from the vehicle's generator, from solar panels via the built-in charge controller or from an external socket.

If you want even more power, the capacity can be increased from the built-in 1280Wh and up to 7680Wh by connecting extra batteries to the ES-2002. That way, you get power for a much longer time - and even more freedom.



FAKTEN

- 2000W, 230V AC pure sine inverter
- 1280Wh LiFePO4 battery
- Complies with DGUV 203-032
- Robust steel cabinet for installation
- Flexible positioning of the display
- App for battery monitoring
- On/off function with ignition key
- Built-in solar charge controller
- Built-in booster for generator power
- Has the following approvals:
 - IEC 62619
 - e-Mark
 - UN38.3
 - CE EMC
 - UKCA



Our free AWILCO app provides detailed information about the status of the battery.

ES-2002

ENERGY SYSTEM

CONTACT INFORMATION

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ES-2002 SPECIFICATIONS

Model No:	ES-2002
Bluetooth / Digital Display:	Yes / Yes
DC Charging:	10,5-15,5 V DC Max. 100 A
DC output:	13,2 V nominal voltage (9,5-13,9 V DC) Max. current strength: 200 A Max 500 A (2 s)
Dimensions:	320x340x395 mm (HxLxW)
Operating temperature:	-40 °C bis +50 °C Under 0°C, the performance is reduced by 85% depending on the environment
AC Output:	Voltage: 230V ±10% Current: Max 16 A Waveform: Pure Sinus Frequency: 50 Hz Power: max. 3600 W
Standby Modus:	14,5 W
Battery Type:	LiFePO4
Battery Capacity:	100 Ah
Inverter connected to the grid	< 55
USB-C Output:	5V DC Strom: max. 750mA
Weight:	31,8 kg
Storage Temperature:	0 °C to +50 °C
AC output from inverter:	Voltage: 230V ±10% Current: Max 10 A Waveform: Pure sinus Frequency: 50 Hz Power: < 2000 W Max 4000 W (5 s)



Expand your battery capacity up to 600 Ah by connecting our LFP12100BM battery to the ES-2000.

PLEASE NOTE: It is important that you **ONLY** use the Awilco LFP12100BM battery and **only** connect the batteries to the system in parallel.

