

# ES-500 ENERGY SYSTEM

- > **ROBUST**
- > **PORTABLE**
- > **LONG LIFETIME**

## RELIABLE ALL-IN-ONE 230V AC ENERGY SYSTEM TO USE IN OFF GRID ENVIRONMENTS

**Bring all your smaller applications to work:  
Let the ES-500 support your workday, saving you time  
searching for mains outlets.**

The high performance 500W pure sine inverter will power up virtually any small 230V AC application.

Compact battery, smart design and mobile. Easily supports portable computers, handheld tool battery packs, smart devices, temporary 230V AC, and works as backup to alarms and monitoring.

The high quality build in LiFePO4 battery will keep your system powered up for a long time and the state of art battery management systems protects the batteries from overload and ensures the longest possible system lifetime.



### FEATURES

- 500W, 230V AC pure sine inverter
- 50Ah LiFePO4 battery
- USB and 12V DC output
- Charged via 12V DC or 230V AC
- Prepared for solar cells
- Bluetooth battery monitor
- 37x13x25 cm
- 9.2 kg
- UN38.3 transportation approval



**Our free AWILCO app offers  
in depth information on the  
status of the battery.**

## ES-500 ENERGY SYSTEM

The cabinet of the ES-500 is designed for the professional user:  
 Build to overcome bad weather and tough work situations and with  
 such a light weight that you can bring it everywhere.

ES-500 has multiple outputs to support both USB, 12V DC, 230V AC  
 and solar cells charging.

### ES-500 SPECIFICATIONS

<b>INPUTS:</b>	<b>Model No:</b>	ES-500
	<b>DC charging:</b>	Voltage: 13.5V–18V Power: 5A
	<b>Solar Charging:</b>	Voltage: 18V Current: >10A
	<b>AC Adapter Charging:</b>	Voltage: 13,5V Current: 6A
<b>OUTPUTS:</b>	<b>AC Output:</b>	Continues Output Power: 400W Voltage: 230V AC Output Frequency: 50HZ Output Waveform: Pure sine wave
	<b>DC 12V Output:</b>	Voltage: 12V±5% Current: Max 8A
	<b>DC Output x2:</b>	Voltage: 12V Power: 1A
	<b>USB 5V DC Output x2:</b>	Voltage: 5V±5% Current: Max 2A
<b>TECHNICAL:</b>	<b>Overheat protection:</b>	>65 C
	<b>Heat-dissipating method:</b>	Air cooled
	<b>Safety function:</b>	Low voltage protection High Voltage protection Overload protection Short circuit protection Overheating protection
	<b>AC Output short circuit current:</b>	Max 100A withstand 1ms
	<b>DC Output short circuit current:</b>	Max 10A
	<b>RS 485 Port:</b>	Communication Interface
	<b>Bluetooth:</b>	Yes
	<b>Battery type:</b>	LiFePO4
	<b>Battery capacity:</b>	50Ah
	<b>Weight:</b>	9,2 kg
	<b>Dimensions:</b>	358x280x150 mm (DxHxB)
	<b>Operating temperature range:</b>	-10°C – +45°C
	<b>Storage temperature range:</b>	-10°C – +45°C
	<b>System IP protection class:</b>	Closed hatch: IP55 Open hatch: IP30

### CONTACT INFORMATION

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**Multiple inputs/outputs.**



**Solar power ready.**



**Available with UK plug.**