



# ADJUSTABLE (3.5KW) TYPE 2 TO UK 3-PIN PLUG PORTABLE EV CHARGER - 5M CABLE

MODEL NO: **EVAC2**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

## REFER TO INSTRUCTIONS

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions

Lowest ambient temperature


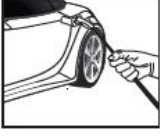
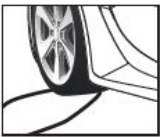





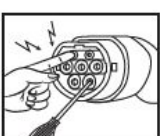


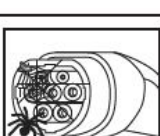

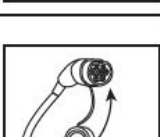
IC-CPD with non-switched protective conductor

IC-CPD may not operate if used on IT or other unearthed systems

## 1. SAFETY

- ✓ The device shall not be used if it fails to operate correctly in accordance with the instructions and to seek advice from the manufacturer, responsible vendor or an electrician.
- **WARNING! The charging cable is only suitable for electric and hybrid cars with a type 2 plug.**
- ✓ This charging cable can be used for electric and hybrid cars, hereafter referred to as 'cars'. It can be used from a charging infrastructure intended for this purpose, or a 230V socket. Any other use is not permitted and is therefore regarded as improper use.
- ✓ Before using the mobile charging station, you must read the operating instructions and the documentation for the car.
- ✓ When the mobile charging station is being used, observe the instructions as described. Failure to do this can lead to personal injury or damage to property, such as, for example, electric shock, short circuit or fire.
- ✓ If in doubt, get a qualified electrician to check that the charging infrastructure or 230V socket is suitable.
- **WARNING!** Any other use may cause damage to the device and expose the user to a risk of serious injury. The manufacturer is not liable for any injury or damage resulting from improper use.
- ✓ The device has been developed for consumer use and is not suitable for use in a commercial or industrial environment.
- ✓ The product must only be used by people who have been trained to do so.
- 1.1. PERSONAL SAFETY**
- ✓ Keep children and animals away from the mobile charging station. **DO NOT** allow children to play with the device. Cleaning and day-to-day maintenance must not be performed by children without supervision. Children must be supervised to ensure that they **DO NOT** play with the device.
- ✓ Within the working area, the user is responsible for any damage or injury to third parties caused by the use of the device.
- ✓ During operation, never point the device at yourself or other individuals.
- ✓ Keep the device in a dry location and out of the reach of children.
- 1.2. WORKING WITH THE DEVICE**
- ✗ **DO NOT** use the device while driving the vehicle.
- ✓ Before setup or first use, check the device for any damage and **DO NOT** use unless in perfect working order.
- ✗ **DO NOT** submerge the device in water. There is a risk of electric shock.
- ✓ Keep the vent on the underside of the device clear during operation. **DO NOT** block the vent with your hands or fingers.
- ✗ **DO NOT** cover the device or block any of the openings. Keep the opening clear and clean at all times to reduce risk of overheating.
- ✓ Ensure that sand, dust and other small foreign objects cannot enter the air inlet or air outlet openings.
- ✗ **DO NOT** leave the device in the car during hot weather. This could permanently damage the device.
- ✓ The device becomes warm during use. There is a risk of burn injuries from touching the hot surfaces.
- ✗ **DO NOT** operate the device near to flammable liquids or gases. **DO NOT** use the device in areas with a risk of explosion, e.g. near flammable liquids, gases or powders.
- ✓ Switch the device off and remove the mains plug from the socket in the following cases: when you are not using the device; if you are doing cleaning work; if the connection cable is damaged; if foreign objects have got into the device or you notice unusual noises.
- ✓ Only use the accessories supplied and recommended by the manufacturer.
- ✗ **DO NOT** dismantle or modify the mobile charging station. This device must only be repaired by a maintenance technician.
- ✗ **DO NOT** expose the device to any source of heat.
- ✗ **DO NOT** store in places where the temperature can exceed 45°C.
- ✗ **DO NOT** connect the charging cable to a faulty/unsuitable socket, which, for example, is not designed for the continuous use required.
- ✓ Protect the plug connections and plug devices from moisture and liquids.
- ✗ **DO NOT** step on or drive over plugs, charging cable and connecting cables.
- ✗ **DO NOT** jam or kink charging and connection cables.
- ✗ **DO NOT** touch plugs with wet hands.
- ✓ When the device is not being used, always put the cover caps on the plugs.
- ✓ Always put the cover cap on, in accordance with the instructions.
- 1.3. ELECTRICAL SAFETY**
- ✗ **DO NOT** carry the device by the cable. **DO NOT** unplug the plug from the socket by pulling on the cable. Protect the cable from heat, oil and sharp edges.
- ✓ If the cable is damaged, unplug the plug immediately from the socket. A damaged charging cable can lead to death or serious injuries.
- ✓ Before each use, check the charging cable for damage (e.g. cracks). **DO NOT** use damaged charging cables.

- ✗ **DO NOT** short circuit the contacts on the T2 plug.
  - ✗ **DO NOT** put fingers or sharp objects into the plug contacts.
  - ✗ **DO NOT** hold the plug under water or submerge it in water.
  - ✓ It is recommended for the electrical installation intended for EV charging to be checked by an electrical installer.
  - ✓ The IC-CPD shall be plugged in directly into the fixed socket-outlet without the use of an extension cord.
  - ✓ The components of a pluggable IC-CPD shall not be connected or disconnected while the IC-CPD is in use.
  - ✓ The product shall not be plugged in with an adaptor, less it meets to requirements of the IC-CPD.
  - ✓ The components of a pluggable IC-CPD are allowed to be used in combination.
- 1.4. SPECIFIC SAFETY (REFER ALSO TO CHART BELOW)**
- Before operation, the device carries out an automatic self test and checks internal components, possible residual currents, over or under voltage and temperature. A charging process is then only possible if all test criteria have been met.
- ✗ **DO NOT** use adapter plugs or extension cables. The device must be plugged directly into the fixed socket.
  - ✓ The electrical system and the socket, which are provided for charging electric cars, must be checked by an electrician before use.
  - ✓ Only use the device in an ambient temperature between -25°C and +45°C.
  - ✓ Only use mobile charging stations up to height of 4,000m above sea level.
  - ✓ A slightly higher temperature during charging is normal and not a malfunction.
  - ✓ Protect the mobile charging station from moisture and high temperatures, including fires.
  - ✓ Store the mobile charging station in a dry place and protect the device from moisture and corrosion.
  - ✗ **DO NOT** drop the mobile charging station while it is being used.
  - ✓ The mobile charging station is designed for electric cars with type 2 plug (in accordance with EN 62196-2).
  - ✓ When using the mobile charging station make sure that the connector plugs and are securely in place.
  - ✓ There is a hole for hanging the charger on the wall. It's highly recommended that the user hangs the charger on the wall for normal usage. If not, please make sure the height of the wall socket from the ground is no longer than the length of the input wire to avoid strain on plug and socket.
- 1.5. ELECTROMAGNETIC COMPATIBILITY**
- ✓ The Mobile Charging Station meets the requirements for use in residential areas according to EN 61000-6-3:2020.

	Do not jam the cable		Do not pull by the cable
	Do not drive over the cable		Do not step on the cable
	Do not drive over the plug		Do not step on the plug
	Do not kink the cable		Wind up and unwind the cable properly
	Do not touch contacts. Do not put any sharp objects into the contacts		Caution! Do not allow the plug and cable to come into contact with moisture/water.
	Keep the plug away from fire		Keep the plug clean. Prevent insects from getting in.
	Do not touch cables with wet hands		Always protect the plug with the cover cap, whenever it is not being used.

## 2. INTRODUCTION

Portable Type-2 charger is fitted with a 3-pin plug so it can be used with any standard 13A socket. Delay timing function enables users to program delayed start time to benefit from off peak electricity tariffs. The intuitive LCD screen offers users fault codes, charging time, power and temperature displays. Supplied with storage bag.

## 3. FEATURES



1	Control Box
2	LED Indicator
3	Digital Charging Display
4	Control Button
5	Cable Wire
6	Power Plug
7	Cover Cap for T2 Plug
8	T2 Plug

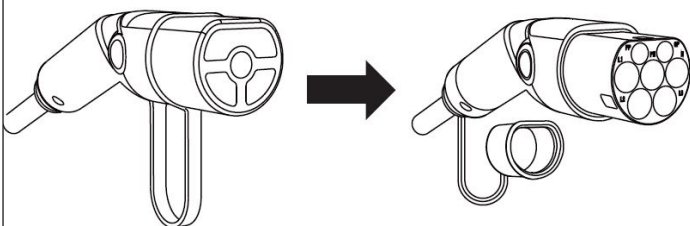
## 4. SPECIFICATION

MODEL NO:	EVAC2		
Voltage:	230V AC, 50/60Hz	Rated Residual Operating Current:	I <sub>Δn</sub> 30mA, DC6mA
Adjustable Current:	8/10/13A Only	Operating Temperature:	-25°C ~ +45°C
Power:	3.5kW	Protection Degree:	IP65 (Connector), IP67 (Control Box)

Changes to technical and visual aspects of the product may be made as part of future developments without notice. Accordingly, no warranty is offered for the physical dimensions, information and specification in these instructions. The operating instructions cannot therefore be used as the basis for asserting a legal claim.

## 5. OPERATION

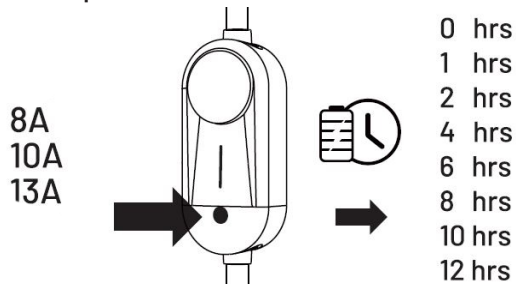
### Step 1: Remove the cap



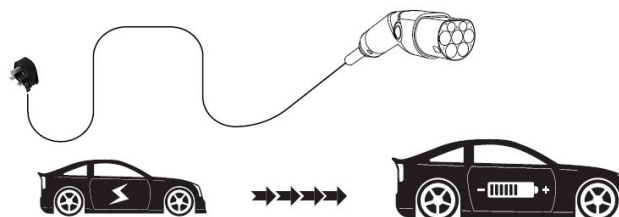
### Step 2: Connect to mains power



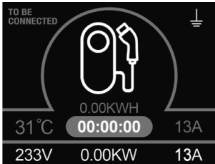
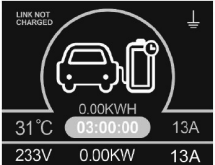

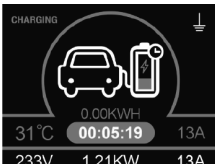

### Step 3: Use control panel to select the correct current



### Step 4: Wait until charging has completed. Once fully charged, unplug both connectors.



## 5.1. ERROR MESSAGES

DESCRIPTION	LED STATUS	SCREEN STATUS	SOLUTION
Power On	White lights (3s)	Power On	Power On. Wait until ready
Standby	Green Blinking		Power On. Wait until ready
Connected	Yellow Solid		Check the vehicle setting, waiting for charging permission
Charging	Green Pulsing		Charging, please wait
Charging Complete	Green Solid		Charging is completed, ready to go
Connection Error	Red Solid	CP Err	<b>WARNING!</b> Disconnect from output/input and restart the charger. Check the vehicle is compatible with the charger.
Over/Under Voltage	Red Solid	Over-V / Under-V	<b>WARNING!</b> Check the voltage matches the charger.
Check Fault	Red Solid	Check	<b>WARNING!</b> Restart the charger. Contact authorised service centre if error persists.
Over Current	Yellow Blinking	OverC-1	Over current protection -1, proper functioning as warning,
Over Current Protection	Red Solid	OverC-2	<b>WARNING!</b> Please check the current selection matches the vehicle factory setting.
Leakage Protection	Red Solid	Leakage	Please check the device for flooding / foreign matter.
Not connected to the ground	Red Solid	Ground	Check the ground wire. Hold the control box button 3-5s to cancel the alert.
Over Temperature	Yellow Blinking	OverT-1	Over temperature-1 alert. Proper functioning as warning.
Over Temperature Emergency Stop	Red Solid	OverT-2	<b>WARNING!</b> Over temperature-2. Turn off the charger immediately. Use once the device has cooled down.
Pausing From Vehicle	Yellow Pulsing		Check the vehicle settings and charging permission.
Error	Red Solid	Relay	If the relay fault is reported repeated, contact an authorised service centre for maintenance.

## 6. MAINTENANCE

### 6.1. CLEANING

- ❑ **WARNING!** The device must not be submerged in water. There is a risk of injury due to electric shock if moisture enters the device.
- ✘ **DO NOT** use cleaners or solvents. These could damage the device beyond repair.
- ✓ Keep the housing and device accessories clean.
- ✓ Use a damp cloth or a soft brush to clean the device and the accessories.

### 6.2. STORAGE

- ✓ Keep the device in a dry location and out of the reach of children.
- ✓ To avoid damage, take care to ensure that the charging cable does not become kinked.
- ❑ **WARNING!** This device must only be used and stored in conditions between -25°C and +45°C.



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



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#### WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

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