



# WAI EV PRODUCTS 2023/24



The Power of WAI



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[www.waiglobal.com](http://www.waiglobal.com)







# The Future is Electric

New EVs outsell diesel with 34% UK market share in 2022.

Part of the **NEW**



range from WAI

**WAI is delighted to launch its range of Electric Vehicle products as we combine our auto electrical expertise with future mobility solutions.**

Global sales of electric vehicles rose 55 percent in 2022, despite overall car sales slumping by a fifth during the coronavirus pandemic. In the UK, SMMT data said that 2021 was the best-ever year for electric cars, with battery and plug-in hybrid vehicles total market share up to 15 percent.

The vehicle parc is growing older and more diverse with electric joining its internal combustion engine counterparts. WAI has reacted with a fantastic range of products to support its customers now and in the future.

WAI's new range of EV cables are TUV Certified and available in a five-metre length and a 5-metre extension length to make a cable 10-metres overall. WAI is the first in the market to offer extension EV charging cables as part of its commitment to provide a high-quality alternative to manufacturer supplied cables with the option to extend the existing charging cable.

The growth in the EV market is considerable and WAI is excited to be supporting customers with a range of point of sale and marketing support. As part of our pledge to helping automotive businesses survive and thrive in times of change, WAI will take the lead and be a major player in the supply of products for electric vehicles.

## Features:

- 5 meter (16 ft) long
- IEC, UL, TÜV, UKCA and CE certified
- IP55 rated
- Single phase voltage up to 240VAC
- Three phase voltage up to 415VAC
- Tested to 2,500 VDC
- Operating temperature -30°C to +50°C
- Polybutylene terephthalate (PBT) handle
- Copper alloy contacts



# EV Charging Cables

## Know your Types.

## The WAI Difference ...

### Type 1



Single Phase  
(5 contacts)

- 5 Charging Pins
- Manual locking catch. Can be unlocked by anyone
- Only single phase
- Common on Japanese, Asian and US vehicles



Manual locking catch

### Type 2

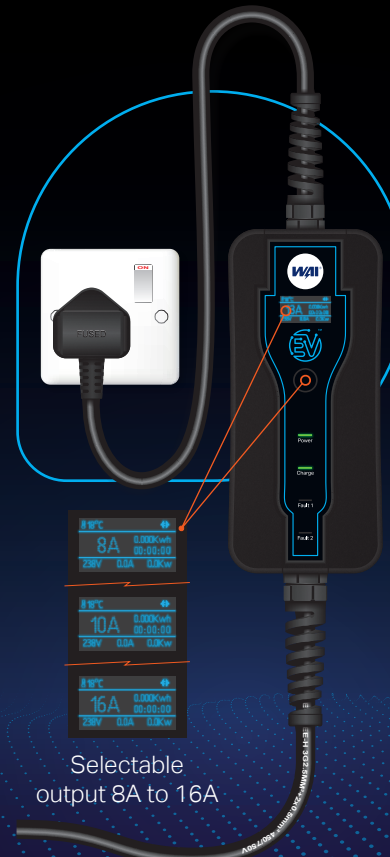



Single Phase (5 contacts)    3-Phase (7 contacts)

- 5 or 7 Charging Pins
- No manual lock, locking pin keeps it in place. Can only be unlocked by owner/user
- Built in resistors to tell the vehicle the status of the charging process
- Available as single phase and three phase for rapid chargers
- Industry standard for UK and European made vehicles



### Controller

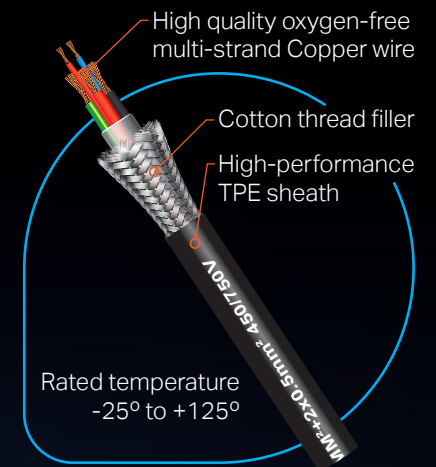


Note: All UK models will only go up to 13A

### Housing



### Cable



### Do I need a 16 Amp or 32 Amp EV charging cable?

Most modern charging stations are 32amp, making it more cost effective to buy a 32amp charging cable as a 16amp cable will charge your electric vehicle slower. As confusing as it may sound, 32amp EV charging cables can still be used in a 16amp charger.

### Single Phase or 3-Phase cable?

Type 1 EV cables are only available in Single Phase. Type 2 cables can be either a Single Phase or 3-Phase. Most domestic properties will have a Single Phase supply, which means you would only need a Single Phase cable to charge your EV at home. At public charging points it will likely be a 3-Phase supply, so a 3-Phase cable would be better. *Note: 3-Phase EV cables can be used in both a Single Phase and 3-Phase charger.*

A Single Phase 32amp charger will charge at 7.2kw per hour. A 3-Phase 32amp charger will charge at 22kW per hour (3 times quicker). The speed your electric vehicle charges at all depends on the onboard charger of your car. Check vehicle manufacturer specifications for these details.







# EV Charging Cables

## Application Data.

Travel & Home

Household Outlet 3.7kW



Single  
PHASE

16  
AMP



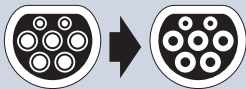
Typical charging times:

30kWh Battery - 8 hours  
60kWh Battery - 16 hours  
90kWh Battery - 24 hours

### EVC22132-5



Type 2 Female to Type 2 Male

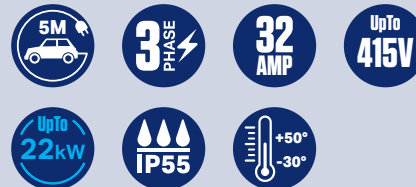
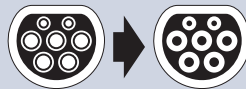


Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo

### EVC22332-5



Type 2 Female to Type 2 Male

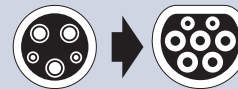


Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo

### EVC12U32-5



Type 1 Female to Type 2 Male

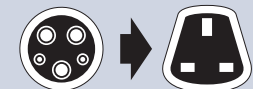


Citroen C-Zero, Ford Focus Electric, Kia Soul EV, Mitsubishi I-MIEV, Mitsubishi Outlander PHEV, Nissan e-NV200 Combi, Nissan Leaf 2012 - 2017, Peugeot iOn, Renault Fluence, Toyota Prius, Vauxhall Ampera

### EVCUK113WC



Type 1 Female to UK Plug  
(with Controller)



Citroen C-Zero, Ford Focus Electric, Kia Soul EV, Mitsubishi I-MIEV, Mitsubishi Outlander PHEV, Nissan e-NV200 Combi, Nissan Leaf 2012 - 2017, Peugeot iOn, Renault Fluence, Toyota Prius, Vauxhall Ampera



## Travel & Home

Wall Box / Public Charger 7.4kW



Single  
PHASE **32  
AMP**

Typical charging times:

30kWh Battery - 4 hours  
60kWh Battery - 8 hours  
90kWh Battery - 12 hours

## Fast Charge Public

Wall Box / Public FAST Charger 22kW



Three  
PHASE **32  
AMP**

Typical charging times:

30kWh Battery - 1.5 hours  
60kWh Battery - 3 hours  
90kWh Battery - 4.5 hours

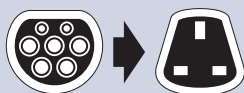


# The Power of WAI

### EVCUK213WC



Type 2 Female to UK Plug  
(with Controller)



Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo

### EVCEU116WC



Type 1 Female to EU Plug  
(with Controller)

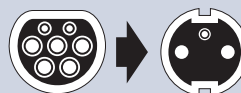


Citroen C-Zero, Ford Focus Electric, Kia Soul EV, Mitsubishi I-MIEV, Mitsubishi Outlander PHEV, Nissan e-NV200 Combi, Nissan Leaf 2012 - 2017, Peugeot iOn, Renault Fluence, Toyota Prius, Vauxhall Ampera

### EVCEU216WC



Type 2 Female to EU Plug  
(with Controller)

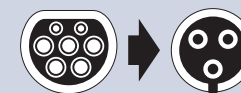


Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo

### EVCU232WC



Type 2 Female to 32A Commando  
(with Controller)



Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo



# EV Charging Cables

## Application Data. (Continued)

### EVC22132-5EXT



Type 2 Female to Type 2 Male Extension Cable



Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo

### EVC22332-5EXT



Type 2 Female to Type 2 Male Extension Cable

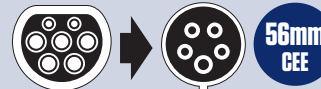


Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo

### EVC22133-5



Type 2 Female to CEE Plug

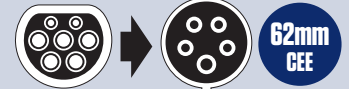


Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo

### EVC22134-5



Type 2 Female to CEE Plug



Audi, BMW, Hyundai, Jaguar, KIA, Lucid Air, Mercedes, Mini, Nissan Leaf 2018, Porsche, Range Rover P400e, Renault, Smart, Tesla, Toyota, Volkswagen, Volvo



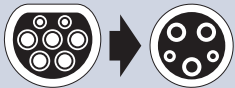
# EV Cable Adaptors

Easily convert your existing cable from one type to another.

**EVA2F1M32**



Type 2 Female to Type 1 Male

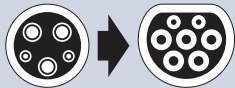


Up To  
**32  
AMP**

**EVA1F2M32**



Type 1 Female to Type 2 Male

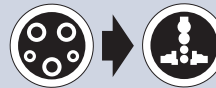


Up To  
**32  
AMP**

**EVA1MUP32**



Type 1 Male to Universal Plug

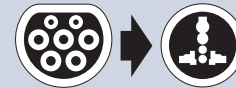


Up To  
**32  
AMP**

**EVA2MUP32**



Type 2 Male to Universal Plug

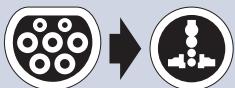


Up To  
**32  
AMP**

**EVA2MUP16**



Type 2 Male to Universal Plug

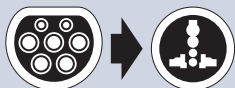


Up To  
**16  
AMP**

**EVA2FUP16**



Type 2 Female to Universal Plug

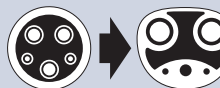


Up To  
**16  
AMP**

**EVA1FTP16**



Type 1 Female to Tesla Plug



Up To  
**16  
AMP**

# DISCOVER THE WORLD OF WAI



  
WAI, A USA COMPANY

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