



PLUG INTO EV.

Take advantage of the EV opportunity with CEF

All the information, advice, products and training you need to install electric vehicle chargers



YOUR
ELECTRICAL
EXPERTS

[CEF.CO.UK/PLUGINTOEV](https://www.cef.co.uk/plugintoev)



EV CHARGING

38 Pages packed with EV charging essentials

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YOUR KEY TO EV CHARGING



Convenient EV Charging for residential situations



EV Charging suitable for public locations



Ideal EV business solution for employees and visitors



Auto On / Off with charge rate controlled by the car and current level limited by the supply circuit



Faster charging than Mode 2 with dedicated controls and advanced communication with the vehicle



Rapid charging provides up to 50 kW DC and requires current converter external to the vehicle



Up to 7 kW AC [single phase only]



Up to 43 kW AC rapid or 22 kW AC fast charging [single phase or 3 phase for faster charging]



Up to 350 kW DC [3 phase] for ultra rapid charging



Added convenience; just park and plug in with tethered lead



Monitoring and charging control via Smart Device



Open Charge Point Protocol compliant allowing communication between charging units and a central management system



Ingress protection against particles [1st digit] and liquids [2nd digit]



Qualifies for grant funding when installed by a professional accredited installer



Qualifies for grant funding when professionally installed in workplace locations

NEW REGULATIONS COMPLIANT

ALL PRODUCTS LISTED MEET THE UPDATE IN REGULATIONS THAT COVER CHANGES TO SMART FUNCTIONALITY, CHARGING TIME FLEXIBILITY, DEVICE SECURITY AND INFORMATION ACCESSIBILITY FOR CONSUMERS

7.2 KW [32A] INTELLIGENT AC WALL UNITS

COMING SOON

Full product range and specification on page 4



ONLY £494.95 +VAT

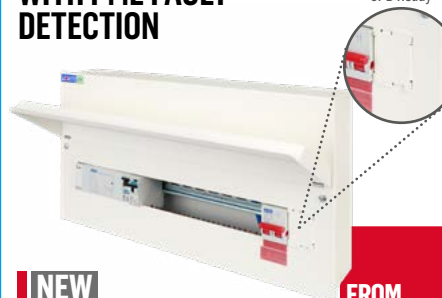
PLUS MORE FROM....



CONSUMER UNITS WITH PME FAULT DETECTION



SPD Ready



NEW

Full product range and specification on page 26

FROM £164.95 +VAT

EV CHARGER CHECKER - EVCC300

Megger.



NEW

Full product range and specification on page 37

2727-0118

ONLY £564.95 +VAT

POWER AND ENERGY LOGGER KIT - PEL103 KIT



Bluetooth

Full product specification on page 21

PEL103 KIT AVAILABLE FOR HIRE CONTACT YOUR LOCAL STORE FOR DETAILS



2585-1217

ONLY £2,339.95 +VAT



COMING SOON

7.2 kW [32A] Intelligent AC Wall Units



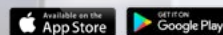
- Compact, installer friendly unit with LED status display and configurable button – ideal for home charging
- Wi-Fi and Bluetooth® connectivity allows for smart control and configuration via the app
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Integrated PEN-fault protection; no earth rod required on a PME system
- Built-in minor fault recovery; reducing calls to site
- Selectable master / slave status; Master units can be programmed with total available capacity of up to 251 slave units and manage load via Wi-Fi
- Voltage: 230V
- Mounted: Wall
- Dimensions: 288 mm[H] x 208 mm[W] x 128 mm[D]
- IEC 61851-1
- Warranty: 5 Years



Code	Colour	Output	1+
2724-7351	Black	Type 2 Socket	£494.95
2726-5081	White	Type 2 Socket	£494.95

ONLY
£494.95
+VAT

Bluetooth



EV CHARGING UNITS AND ACCESSORIES

ICS Charging Units and Accessories

32A Smart AC EV Wall Units



- Contemporary design with 2.8" LCD display and configurable button – ideal for home, public or workplace charging
- Independent backplate design allows for a swift and simple first fix
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Integrated PEN-fault protection; no earth rod required on a PME system
- Built-in minor fault recovery; reducing calls to site
- User authentication via authorised RFID cards [included] or the app
- Selectable master / slave status; Master units can be programmed with total available capacity of up to 251 slave units and manage load via Wi-Fi
- Safe data transfer via VPN using 3G / 4G modem [SIM required], ethernet or Wi-Fi connectivity
- Dynamic load management and solar charging modes: Full, solar assist and solar, requires load management hub – sold separately [2703-5650]
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 360 mm[H] x 269 mm[W] x 146 mm[D]
- IEC 61851-1
- Warranty: 3 Years

Includes:

- 2 x RFID Cards

NEW

Code	kW Rating	Voltage	Output	1+
Wall Units without Backplate				
2637-2632	7.2 kW	230V	Type 2 Socket	£499.95
2637-2629	22 kW	415V	Type 2 Socket	£589.95
Wall Units with Backplate				
2634-1642	7.2 kW	230V	Type 2 Socket	£591.95
2634-1636	22 kW	415V	Type 2 Socket	£684.95
Tethered Wall Units without Backplate				
2646-5458	7.2 kW	230V	Type 2 Tethered Lead	£539.95
2646-5455	22 kW	415V	Type 2 Tethered Lead	£624.95
Tethered Wall Units with Backplate				
2642-0431	7.2 kW	230V	Type 2 Tethered Lead	£627.95
2642-0428	22 kW	415V	Type 2 Tethered Lead	£714.95
Code	Description			1+
2634-1630	Connection First Fix Backplate and Cover			£122.50



EV Connection First Fix Backplate and Cover



- Installer-friendly first fix connection backplate allows for future EV charging unit provision
- Ideal for multiple-unit installations where EV adoption may increase over time with minimal disruption
- Compatible with both single and 3 phase wall units
- Accepts SWA cable up to 20.8 mm[Ø] directly into the junction box
- Additional capacity for ethernet and TN-C-S earth connections
- Secured with tamper-proof cover plate
- Compatible with [2637-2632], [2637-2629], [2646-5458] and [2646-5455] EV charging units
- Dimensions: 297 mm[H] x 204 mm[W] x 47 mm[D]
- Warranty: 3 Years

Code	Description	1+
2634-1630	Connection First Fix Backplate and Cover	£122.50



ICS CHARGING UNITS AND ACCESSORIES CONTINUED

22 kW [32A] Smart AC EV Wall Units



- Modern metal-cased unit with large 7" LCD display – ideal for public or workplace charging
- Built-in Type B 30 mA AC / 6 mA DC fault protection device with automatic daily check
- Integrated PEN-fault protection; no earth rod required on a PME system
- Built-in minor fault recovery; reducing calls to site
- No additional equipment required for multiple unit installations or connection to software
- User authentication via authorised RFID cards [included], the app or configured to plug and charge
- Selectable master / slave status; Master units can be programmed with total available capacity of up to 251 slave units and manage load via Wi-Fi
- Safe data transfer via VPN using 3G / 4G modem [SIM required], ethernet or Wi-Fi connectivity
- Voltage: 415V
- Dynamic load management and solar charging modes: Full, solar assist and solar, requires load management hub – sold separately [2703-5650]
- Mounted: Wall or pedestal [sold separately]
- IEC 61851-1
- Warranty: 3 Years



2632-8127



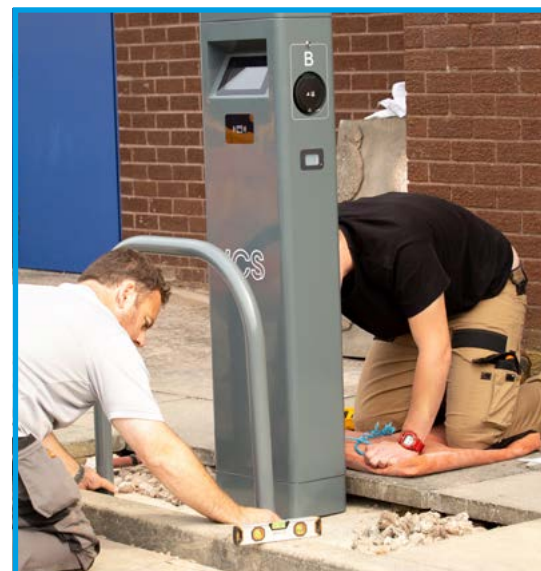
2634-1633

Includes:

- 2 x RFID Cards



Code	Output	Height	Width	Depth	1+
Wall Unit					
2632-8127	Type 2 Socket	400 mm	270 mm	130 mm	£917.95
Wall Unit Complete with Pedestal [2624-4598]					
2634-1633	Type 2 Socket	1496 mm	349 mm	163 mm	£1,134.95



BECOME AN APPROVED ICS INSTALLER

ICS provide City & Guilds accredited training courses for contractors wishing to get involved with EV charging unit installations. For customers who are already OZEV approved, they offer product familiarisation modules to get you up and running quickly.

For more information on EV charging training or to book a course, contact your local CEF store

32A Smart AC EV Pedestal Units



- Installer-friendly pedestal unit with large 7" LCD display – ideal for public or workplace charging
- Built-in Type B 30 mA AC / 6 mA DC fault protection device with automatic daily check
- Integrated PEN-fault protection; no earth rod required on a PME system
- Built-in minor fault recovery; reducing calls to site
- No additional equipment required for multiple unit installations or connection to software
- User authentication via RFID cards [included], the app or configured to plug and charge
- Selectable master / slave status; Master units can be programmed with total available capacity of up to 251 slave units and manage load via Wi-Fi
- Safe data transfer via VPN using 3G / 4G modem [SIM required], ethernet or Wi-Fi connectivity
- Dynamic load management and solar charging modes: Full, solar assist and solar, requires load management hub – sold separately [2703-5650]
- Mounted: Floor
- Dimensions: 1,440 mm[H] x 350 mm[W] x 200 mm[D]
- IEC 61851-1
- Warranty: 3 Years



Includes:

- 2 x RFID Cards



Code	kW Rating	Voltage	Output	1+
2634-1645	7 kW	230V	2 x Type 2 Sockets	£2,079.95
2634-1639	22 kW	415V	2 x Type 2 Sockets	£2,509.95

32A Charging Leads – 5 m



- IEC 62196-2 and EN 50620
- Warranty: 3 Years



Includes:

- Carry case
- 2 x Microfibre cleaning mitts

Code	kW Rating	Output	1+
Single Phase Charging Lead			
2613-8311	7 kW	Type 2 to Type 2	£127.50
3 Phase Charging Lead			
2613-8314	22 kW	Type 2 to Type 2	£204.95

Custom Branding



ICS pedestals available in any colour with your logo

Ask in-store for more details



ICS CHARGING UNITS AND ACCESSORIES CONTINUED

Load Management Hub

- Enables dynamic load management: CT Clamps monitor current consumption so that EV charging unit can maximise available capacity for fastest possible charge time
- Compatible with on-site locations of microgeneration (hydro, solar and wind)
- Generates a Wi-Fi access point allowing for easy configuration via a smartphone, tablet or PC
- Hub must be paired to the same network to allow connection of up to 252 EV charging units via Wi-Fi or alternatively one EV charging unit using a wired RS485 connection
- Suitable for single and 3 phase systems
- Additional clamps required for 3 phase systems and to allow monitoring of microgeneration – sold separately

Includes:

- CT Clamp

Charging modes:

- Full: Charging at fastest possible rate
- Solar Assist: Charging utilises solar and grid when required
- Solar: Charging via solar, depending on generation



NEW

Code	Connectivity	Max. No. of Charge Points	1+
2703-5650	RS485 / Wi-Fi	252	£76.50

Clip-On Current Sensors – 5 m

- Additional current sensors for Load Management Hub (2703-5650) allow for monitoring of electricity demand



NEW

Code	Current Rating	Max. Cable Size	1+
2693-4484	100A	25 mm ²	£22.50
2710-5808	800A	35 mm ²	£74.95

RFID Cards and Tags

- Swipe against the unit to authorise vehicle charging
- Compatible with all iCS charging units



NEW

Code	Type	1+
2636-5762	Card	£2.50
2686-5598	Tag	£4.95

Floor Mounted Pedestal – 1.4 m

- Suitable for all iCS wall units
- S235 Steel construction



NEW

Code	Mounting	1+
2623-9696	Single	£166.95
2634-1618	Dual	£199.95

Code	Description	1+
2625-3025	Root Mounting Kit	£39.95

Floor Mounted Pedestal – 1.395 m

- Suitable for all iCS wall units
- S235 Steel construction
- Removable rear access plate
- Integrated junction box for cable termination



Code	Description	1+
2624-4598		£284.95

! COMING SOON



ENERGY STORAGE SOLUTION

Save money by storing energy from the grid during off-peak tariffs or direct from a solar PV installation with the option to power dedicated EV charging units



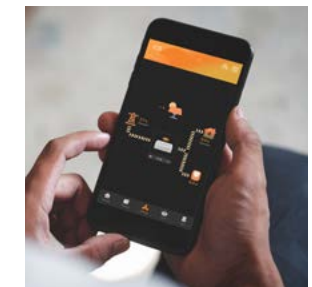
MAXIMISE AN EXISTING OR NEW SOLAR PV INSTALLATION

Capture and store energy generated by solar PV installations for use when you need it most



DESIGNED WITH THE DOMESTIC USER IN MIND

It can be installed inside or out and is easily expandable thanks to its stackable design



GREATER CONTROL OF ENERGY USE

By powering dedicated appliances or EV charging units, the hybrid inverter and gateway hub offer the complete solution and connection to the iCS2.0lite app

Ask **in-store** for updates

ABB Charging Units and Accessories

32A Terra AC WallBox Units



- Versatile and future-proof charging solution for any home, business or public location
- Enabled for remote software updates and energy meter integration for dynamic load management
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Wi-Fi, Bluetooth® and ethernet connectivity for easy integration with existing infrastructure
- Dedicated app allows for user authentication, control and optimal charging status indication
- RFID Cards allow vehicle charging authorisation when swiped against the unit – sold separately
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 320 mm[H] x 195 mm[W] x 110 mm[D]
- IEC 61851-1 and IEC 61851-23
- Warranty: 3 Years



Code	kW Rating	Voltage	Output	Authentication	Connectivity	1+
2629-2514	7.4 kW	230V	Type 2 Socket	Free to Use	Bluetooth / Ethernet / RS485 / Wi-Fi	£496.50
2639-7262	7.4 kW	230V	Type 2 Socket	App / RFID	Bluetooth / Ethernet / RS485 / Wi-Fi	£611.95
2639-7265	7.4 kW	230V	Type 2 Socket	App / RFID	4G / Bluetooth / Ethernet / RS485 / Wi-Fi	£681.95
2629-2517	22 kW	415V	Type 2 Socket	Free to Use	Bluetooth / Ethernet / RS485 / Wi-Fi	£724.50
2629-2520	22 kW	415V	Type 2 Socket	App / RFID	Bluetooth / Ethernet / RS485 / Wi-Fi	£951.95
2629-2523	22 kW	415V	Type 2 Socket	App / RFID	4G / Bluetooth / Ethernet / RS485 / Wi-Fi	£1,042.95

32A Terra AC WallBox Units



- Versatile and future-proof charging solution with 3.5" LCD display – ideal for any home, business or public location
- Enabled for remote software updates and energy meter integration for dynamic load management
- Built-in Type A 30 mA and 6 mA DC fault protection devices
- Integrated MID certified meter
- Dual ethernet port allows linking between units or connection to a building management system
- Dedicated app allows for user authentication, control and optimal charging status indication
- RFID Cards allow vehicle charging authorisation when swiped against the unit – sold separately
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 320 mm[H] x 195 mm[W] x 110 mm[D]
- IEC 61851-1 and IEC 61851-23
- Warranty: 3 Years



Code	kW Rating	Voltage	Output	Authentication	Connectivity	1+
2639-7268	7.4 kW	230V	Type 2 Socket	App / RFID	4G / Bluetooth / Ethernet / RS485 / Wi-Fi	£717.95
2639-7271	22 kW	415V	Type 2 Socket	App / RFID	Bluetooth / Ethernet / RS485 / Wi-Fi	£1,009.95
2639-7274	22 kW	415V	Type 2 Socket	App / RFID	4G / Bluetooth / Ethernet / RS485 / Wi-Fi	£1,109.95

32A Charging Leads – 7 m



- IEC 62196
- Guarantee: 3 Years



NEW

Code	Output	1+
Single Phase Charging Lead		
2629-2595	Type 2 to Type 2	£176.95
3 Phase Charging Lead		
2629-2601	Type 2 to Type 2	£234.95

Terra AC Pedestals – 1.4 m

- For floor mounting up to two Terra AC Wallbox charging units
- Dual pedestals must be fitted with two units to prevent exposed cable opening



Code	Mounting	1+
2639-7277	Single	£302.95
2639-7280	Dual	£457.50

RFID Cards

- Swipe the card against the unit to authorise vehicle charging
- Compatible with Terra AC Wallbox charging units
- Pack of 5



NEW

Code	Description	1+
2639-7283	Blank	£14.75
2629-2583	Branded	£14.75

Terra AC Pedestal – 1.46 m

- For floor mounting up to two Terra AC WallBox charging units back-to-back
- Removable access panel with internal DIN rail mounting for devices
- Must be fitted with two units to prevent exposed cable opening



Code	1+
2629-2580	£679.95

! DON'T FORGET

See page 1661 of the current CEF catalogue for EV installer lockout kit



Easee Charging Units and Accessories

7.4 kW [32A] Easee One EV Wall Unit



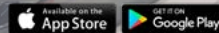
- Minimalistic three-part charger with touch button and light strip status display can be personalised with decorative covers – sold separately
- Chargeberry can be locked to the backplate using a padlock (not included) and acts as a junction box for up to three units per circuit, allowing for future EV provision – ideal for home charging
- Auto-queuing, wireless load balancing and dynamic charging rates for simultaneous charging of up to three vehicles
- Integrated PEN-fault protection; no earth rod required on a PME system
- Subscription-free e-SIM for 4G, open API and Wi-Fi connectivity
- Permanently lock the cable to the unit, check history, create schedules and stop / start charging using the app or authorise via RFID tags – sold separately [2705-8222]
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Voltage: 230V
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 256 mm[H] x 193 mm[W] x 106 mm[D]
- IEC 61851-1
- Warranty: 3 Years

Includes:

- Backplate
- Chargeberry
- Cover

NEW

Code	Output	1+
2705-8177	Type 2 Socket	£498.95



ONLY
£498.95
+VAT



22 kW [32A] Easee Charge EV Wall Unit



- Versatile three-part charger with touch button and light strip status display can be personalised or unified with corporate branding by using decorative covers – sold separately
- Chargeberry can be locked to the backplate using a padlock (not included) and acts as a junction box allowing for scalable future EV provision – ideal for home, public or workplace charging
- Dynamic charging rates with load and phase balancing of up to 101 charging units per circuit will continue to operate offline, should the connection fail
- Installer-friendly backplates can be configured using a single Chargeberry, saving time on multi-unit installations
- Subscription-free e-SIM for 4G, open API and Wi-Fi connectivity
- Manage, control and track the system through the free-to-use portal, permanently lock the cable to the unit and authorise charging via the app or RFID tags – sold separately [2705-8222]
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Voltage: 230V / 415V
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 256 mm[H] x 193 mm[W] x 106 mm[D]
- IEC 61851-1
- Warranty: 3 Years

Includes:

- Backplate
- Chargeberry
- Cover

NEW

Code	Output	1+
2705-8171	Type 2 Socket	£598.95



EV Ready Backplate and Cover



- Installer-friendly backplate allows for future EV charging unit provision
- Ideal for multiple-unit installations where EV adoption may increase over time with minimal disruption
- Compatible with Easee One and Easee Charge wall units and can be configured using a single Chargeberry
- Secured with tamper-proof cover plate
- Voltage: 230V / 415V
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 256 mm[H] x 193 mm[W] x 78 mm[D]
- Warranty: 3 Years



NEW

Code	1+
2705-8180	£39.95

Decorative Front Covers with Socket Cap

- Compatible with Easee One and Easee Charge wall units
- Quick and simple installation
- Dimensions: 256 mm[H] x 193 mm[W] x 106 mm[D]



NEW

Code	Colour	1+
2710-3183	Anthracite	£24.50
2710-3180	Black	£24.50
2710-3192	Blue	£24.50
2710-3189	Red	£24.50
2710-3186	White	£24.50
Replacement Socket Cap		
2705-8225	Black	£5.95



U-Hook Cable Holders

- Safely holds Type 1 or Type 2 cables
- Helps to keep the charging cable clean, tidy and free from debris that might cause scratches
- Quick and simple installation
- Powder-coated [Standard U-Hooks only]
- Dimensions: 70 mm[H] x 50 mm[W] x 46 mm[D]



NEW

Code	Finish	Material	1+
Standard U-Hook			
2705-8201	Black	304 Stainless Steel	£32.95
2705-8204	Red	304 Stainless Steel	£32.95
2705-8207	White	304 Stainless Steel	£32.95
Premium U-Hook			
2705-8198	Polished Stainless Steel	316 Corrosion-Resistant Stainless Steel	£48.50



EASEE CHARGING UNITS AND ACCESSORIES CONTINUED

32A Charging Lead – 7.5 m



- 3 Phase charging lead
- IEC 62196
- Warranty: 3 Years



NEW

Code	Output	1+
2705-8228	Type 2 to Type 2	£164.95

RFID Tags



- Swipe against the unit to authorise vehicle charging
- Compatible with Easee One and Easee Charge wall units
- Pack of 10



NEW

Code	1+
2705-8222	£24.95

Floor Mounted Pedestals – 1.4 m

- Compatible with Easee One and Easee Charge wall units
- Scratch resistant, powder-coated aluminium construction for durability
- Angle adaptor plate facilitates 45° mounting of pedestal
- Built-in power rail allows several pedestals to be connected in series
- Each power rail supports connection of up to four charging units
- Integrated cable support hook helps to keep cables clean and free from debris [2705-8210 and 2705-8213 only]

Includes [2705-8210 and 2705-8213]:

- 45° Angle adaptor plate
- Blind cover
- Hooked mounting plate[s]
- Power rail and earth connection
- Side access panel

Includes [2705-8216]:

- 45° Angle adaptor plate
- Blind cover
- Charging unit bottom mounting plate
- Charging unit top mounting plate
- Power rail and earth connection
- Side access panel
- Top plate



NEW

Code	Mounting	1+
2705-8210	Single	£219.95
2705-8213	Dual	£278.95
2705-8216	Quad	£329.95

Code	Description	1+
2705-8219	Hooked Mounting Plate	£58.95

EVBox Charging Units and Accessories

EVBox BusinessLine Units



- Charges 2 cars simultaneously
- Equipped with intelligent software designed to suit workplace needs
- BackOffice software facilitates data gathering from a single Hub unit
- Up to 19 Satellite units can be connected to a single Hub unit via data cable
- Autostart with LED charging status indication
- Remote monitoring and invoice charging
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Mounted: Wall or pole [sold separately]
- Dimensions: 600 mm[H] x 255 mm[W] x 410 mm[D]
- IEC 61851-1
- Warranty: 3 Years



Code	kW Rating	Voltage	Output	Finish	1+
Hub Unit					
2630-S114	7.4 kW	230V	2 x Type 2 Sockets	Grey	£2,054.95
2629-9609	7.4 kW	230V	2 x Type 2 Sockets	White	£2,054.95
2630-S120	22 kW	415V	2 x Type 2 Sockets	Grey	£2,388.95
2629-9615	22 kW	415V	2 x Type 2 Sockets	White	£2,388.95
Satellite Unit					
2630-S111	7.4 kW	230V	2 x Type 2 Sockets	Grey	£1,969.95
2629-9606	7.4 kW	230V	2 x Type 2 Sockets	White	£1,969.95
2630-S117	22 kW	415V	2 x Type 2 Sockets	Grey	£2,304.95
2629-9612	22 kW	415V	2 x Type 2 Sockets	White	£2,304.95

32A Charging Lead – 6 m



- IEC 62196
- Warranty: 3 Years



Code	Output	1+
2671-0501	Type 2 to Type 2	£184.95

Cable Docking Station



- Durable polycarbonate material
- Safely holds Type 1 or Type 2 cables



2593-2262
FROM
£49.95
+VAT

BusinessLine Floor Mounted Pole – 1.4 m



- For floor mounting BusinessLine charging units



Code	1+
2593-2268	£139.95

BusinessLine Wall Mounted Pole – 0.5 m



- For wall mounting BusinessLine charging units



Code	1+
2593-2271	£229.95

BusinessLine Root Mounted Pole – 1.9 m



- For root mounting BusinessLine charging units



Code	1+
2593-2265	£139.95

WEEE RECYCLING

Ask in-store or visit cef.co.uk/waste-recycling

COMING SOON

Visit cef.co.uk for all Garo EV charging units and accessories



myenergi Charging Units and Accessories

32A zappi EV Wall Units



- Ideal for homes with on-site microgeneration from solar PV or wind-generated power and works alongside battery storage systems
- Timer and smart boost functions with 3 charging modes [see below]
- LCD Backlit graphic display with pin code lock function shows charging status
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Integrated PEN-fault protection; no earth rod required on a PME system
- Built-in dynamic load balancing and switchable charge rate: 6A - 32A
- Economy tariff input
- Change the mode, schedule, minimum green level or boost the zappi EV Wall Units via the app

- Mounted: Wall or pedestal [sold separately]
- Dimensions: 439 mm[H] x 282 mm[W] x 122 mm[D]
- IEC 61851-1
- Warranty: 3 Years

Charging modes:

- Fast: Charging at maximum available power
- Eco: Charging adjusts to generation or power consumption, drawing from the grid if necessary
- Eco+: Charging adjusts to generation or power consumption, pausing if too much imported power is required and resuming once there is enough surplus

Includes:

- Clip-on current sensor[s]

NEW

Code	Output	Voltage	Finish	1+
Single Phase – 7 kW				
2728-0318	Type 2 Socket	230V	Black	£581.75
2728-0321	Type 2 Socket	230V	White	£581.75
2728-0324	Type 2 Tethered Lead	230V	Black	£599.75
2728-0327	Type 2 Tethered Lead	230V	White	£599.75
3 Phase – 22 kW				
2728-0330	Type 2 Socket	415V	Black	£669.95
2728-0333	Type 2 Socket	415V	White	£669.95
2728-0336	Type 2 Tethered Lead	415V	Black	£711.95
2728-0339	Type 2 Tethered Lead	415V	White	£711.95

Image for illustrative purposes only – pedestal sold separately



FROM £581.75 +VAT

DON'T FORGET



Visit cef.co.uk for a full range of myenergi Devices

zappi Pedestals – 1.25 m

- For floor mounting up to two zappi EV Wall Units

Includes:

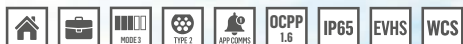
- Beam and base assembly
- White cable guard[s]
- Mounting plate[s]
- M8 Security fixings
- M8 Security bit



Code	Mounting	1+
2670-4819	Single	£257.50
2670-4822	Dual	£309.95

Project EV Charging Units and Accessories

7.3 kW [32A] Fast AC Wall Units



- Sleek and compact design with LED status indicator light and emergency stop button – ideal for home or workplace locations
- Choose from three charging modes [see below] and set the charge schedule by total amount in cost, overall energy used or time of day to utilise off-peak tariffs
- User authentication can be configured to plug and charge, smartphone via the app* or using authorised RFID card [2622-9778 and 2720-3908 only]
- Cable lock system enables the charging cable to be permanently tethered to the wall unit for greater security and convenience
- Integrated PEN-fault protection; no earth rod required on a PME system
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Voltage: 230V
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 380 mm[H] x 240 mm[W] x 145 mm[D]
- IEC 61851-1
- Warranty: 5 Years

Charging modes:

- Fast: Charging at maximum 32A available power
- Eco: Charging limited to 6A from the grid plus solar generation
- Eco+: Charging adjusts in-line with solar generation only

Includes:

- RFID Card [2622-9778 and 2720-3908 only]



Code	Output	PEN Fault Protection	Authentication	Connectivity	1+
2594-2960	Type 2 Socket	No	Free to Use / App	Ethernet / Wi-Fi	£359.95
2629-9462	Type 2 Socket	Yes	Free to Use / App	Ethernet / Wi-Fi	£419.95
2622-9778	Type 2 Socket	Yes	Free to Use / App / RFID	Ethernet / Wi-Fi	£469.95
2720-3908	Type 2 Socket	Yes	Free to Use / App / RFID	4G / Ethernet	£594.95

*Premium Pro app available for greater control and management of multiple units [fees will apply]



FROM
£359.95 +VAT

22 kW [32A] Fast AC Wall Unit



- Sleek design with LCD display, LED status indicator light and emergency stop button – ideal for home or workplace locations
- Choose from three charging modes [see below] and set the charge schedule by total amount in cost, overall energy used or time of day to utilise off-peak tariffs
- User authentication can be configured to plug and charge, smartphone via the app* or using authorised RFID card
- Cable lock system enables the charging cable to be permanently tethered to the wall unit for greater security and convenience
- Integrated PEN-fault protection; no earth rod required on a PME system
- Wi-Fi or ethernet connectivity for secure and reliable communication
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Voltage: 415V
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 466 mm[H] x 300 mm[W] x 170 mm[D]
- IEC 61851-1
- Warranty: 5 Years



Code	Output	1+
2684-2270	Type 2 Socket	£1,099.95

*Premium Pro app available for greater control and management of multiple units [fees will apply]



Includes:

- RFID Card

Charging modes:

- Fast: Charging at maximum 32A available power
- Eco: Charging limited to 6A from the grid plus solar generation
- Eco+: Charging adjusts in-line with solar generation only

63A Fast AC Dual Wall Units



- Dual unit for simultaneous vehicle charging with LCD display, LED status indicator light and emergency stop button – ideal for home, public or workplace locations
- Set the charge schedule by total amount in cost, overall energy used or time of day to utilise off-peak tariffs with static load balancing
- User authentication can be configured to plug and charge, smartphone via the app* or using authorised RFID card
- Cable lock system enables the charging cable to be permanently tethered to the wall unit for greater security and convenience
- Integrated PEN-fault protection; no earth rod required on a PME system
- Wi-Fi or ethernet connectivity for secure and reliable communication
- Integrated MID certified meter
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Mounted: Wall
- Dimensions: 562 mm[H] x 360 mm[W] x 176 mm[D]
- IEC 61851-1
- Warranty: 5 Years

Includes:

- RFID Card



Code	kW Rating	Voltage	Output	1+
2728-2124	7.3 kW	230V	2 x Type 2 Sockets	£1,159.95
2728-2127	22 kW	415V	2 x Type 2 Sockets	£1,499.95

*Premium Pro app available for greater control and management of multiple units [fees will apply]



63A Fast AC Dual Pedestal Units



- Dual pedestal unit for simultaneous vehicle charging with LCD display, LED status indicator light and emergency stop button – ideal for home, public or workplace locations
- Set the charge schedule by total amount in cost, overall energy used or time of day to utilise off-peak tariffs with static load balancing
- User authentication can be configured to plug and charge, smartphone via the app* or using authorised RFID card
- Cable lock system enables the charging cable to be permanently tethered to the wall unit for greater security and convenience
- Integrated PEN-fault protection; no earth rod required on a PME system
- Wi-Fi or ethernet connectivity for secure and reliable communication
- Integrated MID certified meter
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Mounted: Floor or roof
- Dimensions: 1,637 mm[H] x 386 mm[W] x 180 mm[D]
- IEC 61851-1
- Warranty: 5 Years

Includes:

- RFID Card



Code	kW Rating	Voltage	Output	1+
2728-2118	7.3 kW	230V	2 x Type 2 Sockets	£1,829.95
2683-4677	22 kW	415V	2 x Type 2 Sockets	£1,999.95

Code	Description	1+
2728-2133	Base for Roof Mounting	£114.95

*Premium Pro app available for greater control and management of multiple units [fees will apply]



2728-2133



PROJECT EV CHARGING UNITS AND ACCESSORIES CONTINUED

40 kW [80A] Rapid DC Wall Units



- Superior rapid DC, tethered charging unit with 7" LCD display, LED status indicator light and emergency stop button – ideal for public or workplace locations
- User authentication can be configured to plug and charge, smartphone via the app* or using authorised RFID card
- Wi-Fi or ethernet connectivity for secure and reliable communication
- Built-in Type A 30 mA AC and 6 mA DC fault protection devices
- Input current rating: 63A
- Voltage: 230V / 415V
- Mounted: Wall or pedestal [sold separately]
- Dimensions: 775 mm[H] x 540 mm[W] x 294 mm[D]
- IEC 61851-1 and IEC 61851-23:2014
- Warranty: 5 Years

Includes:

- RFID Card



Code	Output	Weight	1+
2622-9793	CCS Tethered Lead	70 kg	£7,424.95
2728-2121	2 x CCS Tethered Leads	90 kg	£9,999.95

*Premium Pro app available for greater control and management of multiple units [fees will apply]



Floor Mounted Pedestal – 1.5 m

- Suitable for all single outlet 7.3 kW and 22 kW Fast AC Wall Units – See page 18
- Rust prevention treated, sheet metal construction



2721-9301



Code	Description	1+
2622-9799		£214.95
2721-9301	Base for Root Mounting	£114.95

Floor Mounted Pedestal – 1.65 m

- Suitable for single outlet 40 kW Rapid DC wall unit [2622-9793 only]
- Rust prevention treated, sheet metal construction



2728-2136



Code	Description	1+
2728-2139		£269.95
2728-2136	Base for Root Mounting	£114.95

POWER AND ENERGY LOGGER KIT – PEL103 KIT



- Monitor the network, control consumption and manage energy spending
- View all electrical parameters with real-time display alongside historical consumption
- Real-time communication with a PC and analysis using PEL transfer software
- Can be used on single phase, split phase and 3 phase installations with or without a neutral
- Magnetic meter is easy to setup, even in the most compact of distribution boards
- Implement without disconnecting power
- Automatic recognition of the sensors connected

- Bluetooth®, ethernet and USB communication
- Record on SD or SD-HC card
- Current range: 5 mA - 10 kA AC and 50 mA - 1.4 kA DC
- Energy: Up to 4 EWh / EVAh / EVARh
- Frequency: 50, 60, 400 Hz
- Harmonics: Up to 50th order
- Phase: Cos Φ, tan Φ and PF
- Voltage range: 10 - 1,000V AC / DC
- Wattage: 10W - 10 GW
- CAT IV 600V and CAT III 1,000V
- EN 61010

Includes:

- Energy logger
- Android tablet
- 4 x Measurement leads
- 4 x Croc clips
- 3 x Current / voltage sensor leads
- 2 x Cable tidy reels
- MultiFIX mounting system
- Mains cable
- USB Cable
- USB Adaptor
- 2GB SD Card
- PEL Software
- Canvas bag



FREE DataView® software and Android tablet

Code	1+
2585-1217	£2,339.95

PEL103 KIT AVAILABLE FOR HIRE
CONTACT YOUR LOCAL STORE FOR DETAILS



OFFICIAL STOCKISTS OF ROLECEV

ASK IN STORE FOR DETAILS



FROM 3.6 kW TO 200 kW CHARGING

OCPP COMPLIANT



ROLECEV PRODUCT AWARENESS

Get to know more about our range of EV charging points, smart solutions, grant funding and more by contacting your local store.

Office for Zero Emission Vehicles

GRANT FUNDABLE

Did you know that workplaces are eligible for up to **£15,000** OZEV grant funding under the Workplace Charging Scheme (WCS)?

For more on our OZEV WCS range, please visit: cef.co.uk

ROLECEV

Schneider Charging Units and Accessories

7.4 kW / 22 kW [32A] EVlink Smart Wallbox Unit



- Plug and charge convenience with one-touch Start / Stop
- Environmentally friendly options for controlling energy consumption with delayed start allowing for off-peak only charging
- Easy commissioning with a laptop connected to the embedded web server
- Key locking to prevent cable theft and unauthorised charging
- Voltage: 230V / 415V
- Mounted: Wall
- Dimensions: 480 mm[H] x 330 mm[W] x 170 mm[D]
- IEC 61851-1
- Warranty: 2 Years



Schneider Electric

ONLY
£884.95
+VAT

Code	Output	1+
2255-0269	Type 2 Socket	£884.95

7.4 kW / 22 kW [32A] EVlink Smart Wallbox Unit



- Plug and charge convenience with one-touch Start / Stop
- Environmentally friendly options for controlling energy consumption with delayed start allowing for off-peak only charging
- User authentication via RFID tags compatible with the unit's RFID badge [included]
- Easy commissioning with a laptop connected to the embedded web server
- Key locking to prevent cable theft and unauthorised charging
- Voltage: 230V / 415V
- Mounted: Wall
- Dimensions: 480 mm[H] x 330 mm[W] x 170 mm[D]
- IEC 61851-1
- Warranty: 2 Years



Includes:

- 10 x RFID Badges

Code	Output	1+
2255-0272	Type 2 Socket	£1,049.95

Schneider Electric

7 kW [32A] EVlink Parking Wall Units



- Ideal solution in all parking environments: Offices, hotels, supermarkets and fleets
- Visual charging details with record function [30 day history]
- Adaptable charging unit power demand to match your electrical distribution
- Configure your charging unit via EVlink embedded web server
- Charging cable to remain securely plugged into the charging unit
- Voltage: 230V
- Mounted: Wall
- Dimensions: 620 mm[H] x 413 mm[W] x 256 mm[D]
- IEC 61851-1
- Warranty: 2 Years



Schneider Electric

Code	Output	Authentication	1+
2255-0242	2 x Type 2 Sockets	Key Switch	£2,334.95
2255-0245	2 x Type 2 Sockets	RFID	£2,829.95

SCHNEIDER CHARGING UNITS AND ACCESSORIES CONTINUED

7 kW [32A] EVlink Parking Pedestal Units



- Ideal solution in all parking environments: Offices, hotels, supermarkets and fleets
- Visual charging details with record function (30 day history)
- Adaptable charging unit power demand to match your electrical distribution
- Configure your charging unit via EVlink embedded web server
- Charging cable to remain securely plugged in to the charging unit
- Voltage: 230V
- Mounted: Floor
- Dimensions: 1,146 mm[H] x 413 mm[W] x 220 mm[D]
- IEC 61851-1
- Warranty: 2 Years

Code	Output	Authentication	1+
2255-0248	2 x Type 2 Sockets	Key Switch	£3,243.95
2255-0251	2 x Type 2 Sockets	RFID	£3,264.95



32A Charging Leads – 5 m



- IEC 62196
- Warranty: 2 Years



Code	Output	1+
2255-0263	Type 2 to Type 1	£404.95
2255-0266	Type 2 to Type 2	£404.95

Type B RCDs

- For use with EVlink electric vehicle charging infrastructure
- VisiSafe for safe operation and maintenance work
- VisiTrip detects faulty outgoers quickly and reduces intervention time
- Sensitive to AC, pulsating DC and smooth DC currents
- IEC 61008-1
- Warranty: 18 Months



Code	Current Rating	Tripping Sensitivity	No. of Modules	No. of Poles	1+
2577-4231	40A	30 mA	4	2	£385.55
2577-4234	40A	30 mA	4	4	£479.92

EV BARRIERS AND SIGNS

EV Protection Barriers

Floor Mounted Protection Barrier

- Galvanised structural-steel construction



Code	Height	Width	1+
2627-4286	750 mm	750 mm	£127.95

Protection Barriers

- Powder-coated galvanised steel protection barrier
- Root mounted barrier requires an installation depth of 250 mm



Code	Mounted	Height	Width	1+
2077-4221	Root	1 m	750 mm	£144.50
2077-4227	Floor	650 mm	750 mm	£154.50

EV Labels and Signs

EV Charging Signs

- Highlight location of EV charging spaces
- Aluminium printed sign
- Class 1 reflective



Includes:

- 2 x 76 mm Post clips – [2624-4643] and [2633-5810] only

Code	Mounting Channels	Height	Width	1+
2624-4646	-	200 mm	300 mm	£21.95
2624-4643	Horizontal	300 mm	400 mm	£42.95
2633-5810	Vertical	300 mm	400 mm	£42.95



EV Charging Signs

- Highlight location of EV charging spaces
- Clear, recognisable, weather durable sign



Code	Height	Width	1+
2593-2286	600 mm	400 mm	£74.95
2593-2289	800 mm	400 mm	£109.95



EV Charging Label

- Highlight location of EV connecting point
- Self-adhesive vinyl
- Pack of 10

Electric Vehicle Connecting Point

Code	Height	Width	1+
2674-4695	25 mm	75 mm	£3.95



EV Inlet / Outlet Connector Label

- Highlight vehicle connector inlets and plug socket outlets
- Self-adhesive
- Vinyl
- Sheet of 12



Code	Height	Width	1+
2674-4689	20 mm	20 mm	£3.50



Petrol Station Earthing Label

- Highlight petrol station connected to a TN-C-S earthing system
- Self-adhesive
- Vinyl
- Pack of 10



Code	Height	Width	1+
2674-4692	25 mm	75 mm	£3.75



EV Charging Equipment Label

- Highlight EV charging equipment connected to a TT earthing system
- Self-adhesive
- Vinyl
- Roll of 200



Code	Height	Width	1+
2673-2107	30 mm	90 mm	£28.95



EV Charging Sign

- Highlight location of EV charging spaces
- Rigid PVC



Code	Height	Width	1+
2707-7341	300 mm	200 mm	£9.95



EV Charging Signs

- Highlight location of EV charging spaces
- Complete with mounting channels
- Dibond aluminium composite printed sign



Code	Height	Width	1+
2674-4683	400 mm	300 mm	£52.95
2674-4686	400 mm	400 mm	£56.95



EV Charging Signs

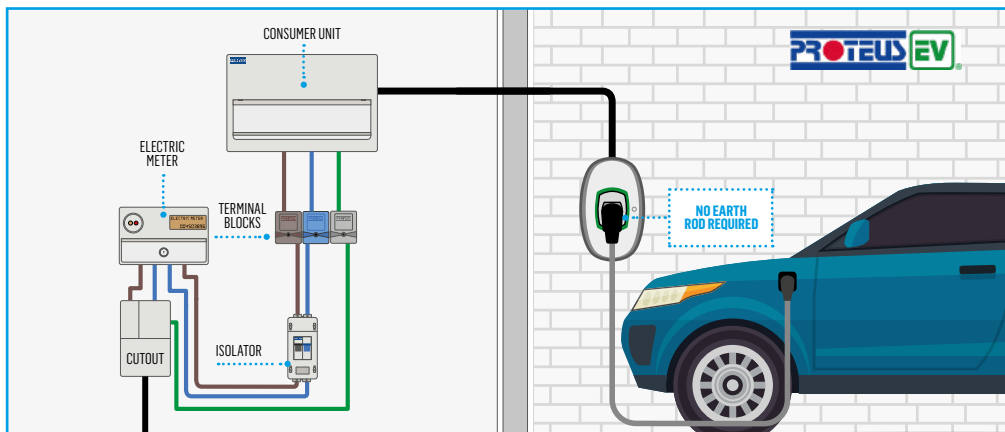
- Highlight location of EV charging spaces
- Aluminium screen printed sign



Code	Size	Height	Width	1+
1597-9222	A4	210 mm	297 mm	£36.75
1597-9225	A5	148 mm	210 mm	£31.50



EV EARTHING SOLUTIONS



Isolator Incomer Consumer Units with 16 kA PME Fault Detection

- Replaces standard domestic consumer unit
- Integrated voltage monitoring device; no earth rod required on a PME system
- Suitable for one single phase 7.2 kW EV charging unit
- Optional knockout to add surge protection device
- Low noise contactor
- Non-combustible metalclad consumer unit
- Multiple knockouts for cable entry
- IP4XC
- BS EN 61439-3

SPD Ready



Includes:

- 100A 2 Pole isolator
- 40A 30 mA B Curve DP RCBO [Type A]
- 40A 4 Pole contactor [4 NO]
- 6A B Curve MCB [6 kA]
- Voltage monitoring device
- 2 x Blanks

NEW

Code	No. of Ways	Height	Width	Depth	1+
2682-7459	8	256 mm	417 mm	119 mm	£164.95
2682-7456	12	256 mm	489 mm	119 mm	£192.95

Dual RCD and Mains Incomer Consumer Units with 16 kA PME Fault Detection

- Replaces standard domestic consumer unit
- Integrated voltage monitoring device; no earth rod required on a PME system
- Suitable for one single phase 7.2 kW EV charging unit
- Optional knockout to add surge protection device
- Low noise contactor
- Non-combustible metalclad consumer unit
- Multiple knockouts for cable entry
- IP4XC
- BS EN 61439-3

SPD Ready

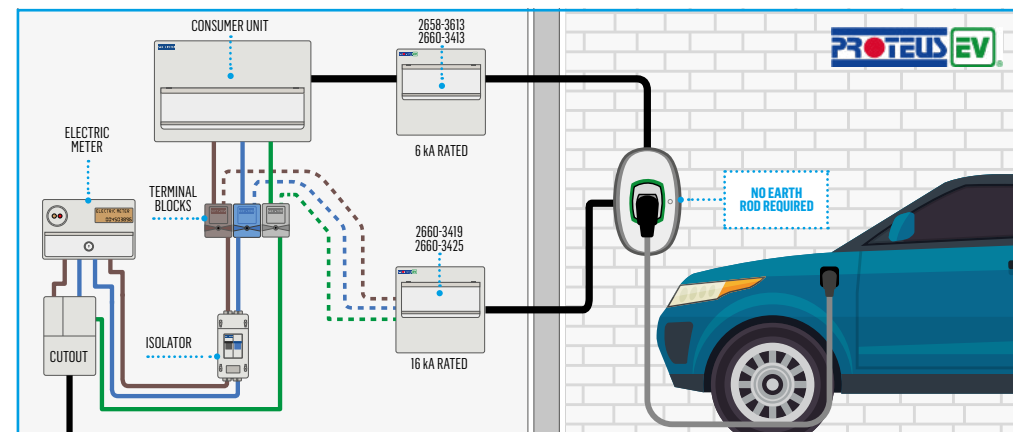


Includes:

- 2 x 30 mA RCDs
- 40A 30 mA B Curve DP RCBO [Type A]
- 40A 4 Pole contactor [4 NO]
- 6A B Curve MCB [6 kA]
- Voltage monitoring device
- 2 x Blanks

NEW

Code	No. of Ways	Height	Width	Depth	1+
63A 30 mA RCDs - Type A					
2660-3428	5 + 5	256 mm	489 mm	119 mm	£209.95
80A 30 mA RCDs - Type A					
2660-3431	8 + 8	256 mm	597 mm	119 mm	£211.95



40A SP+N Populated Distribution Board with 6 kA PME Fault Detection - RCBO Incomer

- Integrated voltage monitoring device; no earth rod required on a PME system
- Low noise contactor
- Multiple knockouts for cable entry
- Terminal capacity: 25 mm²
- Devices prewired
- BS EN 61439-3

Includes:

- 40A 30 mA B Curve DP RCBO [Type A]
- 40A 4 Pole contactor [4 NO]
- 6A B Curve MCB [6 kA]
- Voltage monitoring device
- Blank

Code	IP Rating	No. of Ways	Height	Width	Depth	1+
Suitable For 7.2 kW SP EV Charger - Metalclad Board						
2658-3613	IP4XC	1	225 mm	225 mm	119 mm	£125.95
Suitable For 7.2 kW SP EV Charger - ABS Enclosure						
2660-3413	IP65	1	201 mm	202 mm	120 mm	£136.50



40A SP+N Populated Distribution Board with 16 kA PME Fault Detection - Mains Incomer

- Suitable for installation on the incoming supply alongside the consumer unit
- Integrated voltage monitoring device; no earth rod required on a PME system
- Low noise contactor
- Multiple knockouts for cable entry
- Terminal capacity: 50 mm²
- Devices prewired
- BS EN 61439-3

Includes:

- 63A 2 Pole isolator
- 40A 30 mA B Curve DP RCBO [Type A]
- 40A 4 Pole contactor [4 NO]
- 6A B Curve MCB [6 kA]
- Voltage monitoring device

Code	IP Rating	No. of Ways	Height	Width	Depth	1+
Suitable For 7.2 kW SP EV Charger - Metalclad Board						
2660-3419	IP4XC	1	225 mm	225 mm	119 mm	£136.50
Suitable For 7.2 kW SP EV Charger - ABS Enclosure						
2660-3425	IP65	1	201 mm	202 mm	120 mm	£159.95



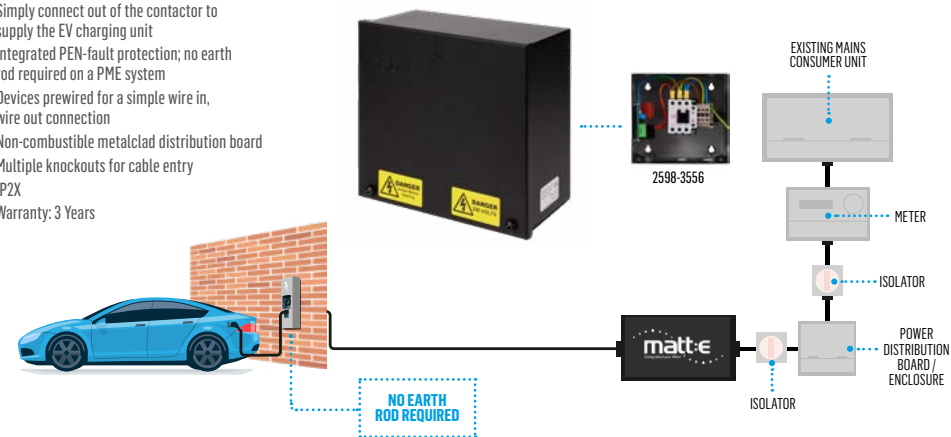
COMING SOON

Proteus EV 3 Phase PME Earthing Solutions



32A EV Domestic Connection Centres – Single Phase

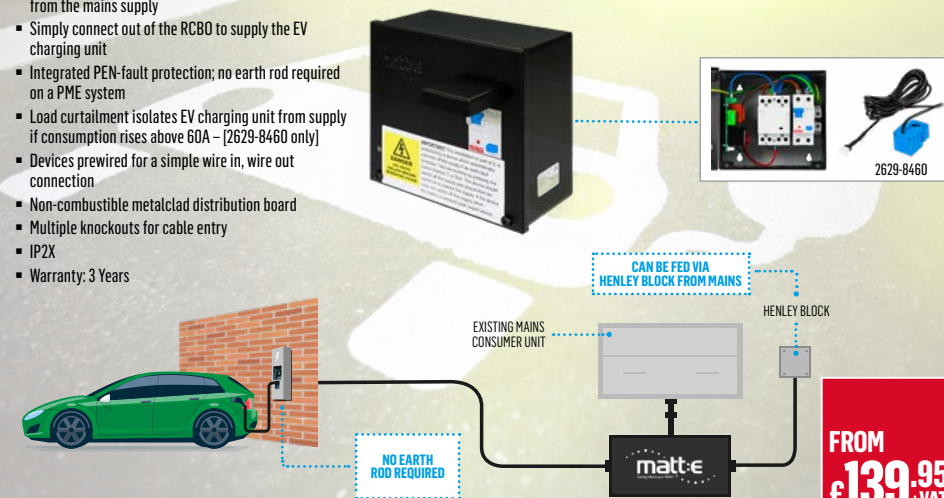
- Can be fed from the consumer unit with a suitably sized MCB / RCBO via an isolator
- Simply connect out of the contactor to supply the EV charging unit
- Integrated PEN-fault protection; no earth rod required on a PME system
- Devices prewired for a simple wire in, wire out connection
- Non-combustible metalclad distribution board
- Multiple knockouts for cable entry
- IP2X
- Warranty: 3 Years



Code	No. of Ways	Includes	Height	Width	Depth	1+
2598-3556	1	Wire Out Connection	169 mm	182 mm	96 mm	£99.95
2629-8467	1	30 mA Type B RCCB and C Curve MCB (10 kA)	169 mm	236 mm	111 mm	£259.95

32A EV Domestic Connection Centres – Single Phase

- Can be fed from the consumer unit with a suitably sized MCB / RCBO via an isolator or direct from a Henley block arrangement from the mains supply
- Simply connect out of the RCBO to supply the EV charging unit
- Integrated PEN-fault protection; no earth rod required on a PME system
- Load curtailment isolates EV charging unit from supply if consumption rises above 60A – (2629-8460 only)
- Devices prewired for a simple wire in, wire out connection
- Non-combustible metalclad distribution board
- Multiple knockouts for cable entry
- IP2X
- Warranty: 3 Years

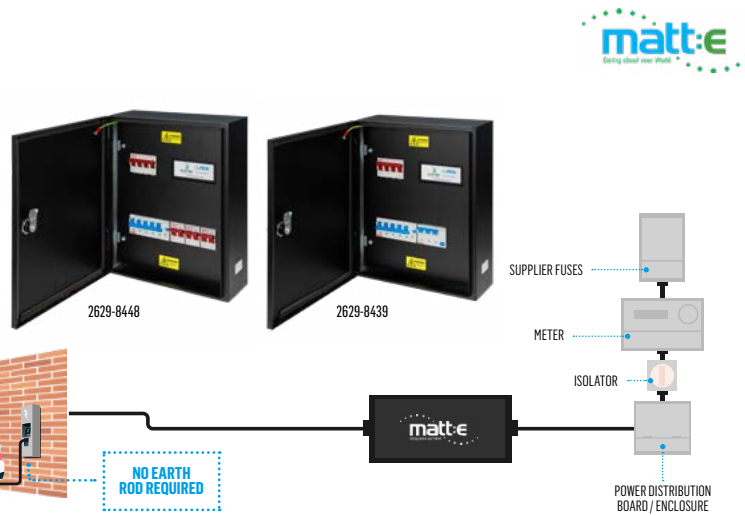


Code	No. of Ways	Includes	Height	Width	Depth	1+
2598-3559	1	30 mA C Curve Type A RCBO (10 kA)	169 mm	182 mm	111 mm	£139.95
2629-8460	1	30 mA C Curve DP Type A RCBO (10 kA) & Current Limiting	169 mm	182 mm	111 mm	£149.95

EV EARTHING SOLUTIONS CONTINUED

EV Connection Centres

- Can be fed from the distribution board and a suitably sized MCB
- Simply connect out of the MCB, RCBO, isolator or terminals to supply the EV charging unit
- Integrated O-PEN® fault protection; no earth rod required on a PME system
- Phase loss protection
- Devices prewired for a simple wire in, wire out connection
- Non-combustible metalclad distribution board
- IP4X
- Warranty: 3 Years



Code	No. of Ways	Current Rating	Includes	Height	Width	Depth	1+
Single Phase Output – 3 Phase Supply							
2598-3550	3	32A	C Curve DP MCBs (10 kA)	380 mm	300 mm	140 mm	£469.95
2598-3547	3	32A	30 mA C Curve DP Type A RCBO (10 kA)	380 mm	300 mm	140 mm	£469.95
2629-8448	3	63A	DP Isolators	380 mm	300 mm	140 mm	£494.95
2629-8445	6	32A	30 mA C Curve DP Type A RCBO (10 kA)	550 mm	360 mm	140 mm	£914.95
3 Phase Output – 3 Phase Supply							
2629-8439	1	32A	30 mA C Curve 4 Pole Type A RCBO (10 kA)	380 mm	300 mm	140 mm	£449.95
2598-3553	1	63A	Wire Out Connection	380 mm	300 mm	140 mm	£469.95
2629-8451	1	100A	Wire Out Connection	550 mm	360 mm	140 mm	£624.95
2629-8442	3	32A	30 mA C Curve 4 Pole Type A RCBO (10 kA)	550 mm	360 mm	140 mm	£994.95

BECOME AN OZEV APPROVED INSTALLER

At CEF we can arrange OZEV approved electric vehicle charging training for you, via the NICEIC.



Becoming an accredited installer is a two stage process:

- 1 GAIN ACCREDITATION VIA PARTICULAR MANUFACTURERS TO INSTALL THEIR PRODUCTS**
- 2 APPLY TO OZEV TO BECOME AN APPROVED INSTALLER**

For more information contact your local store or visit cef.co.uk/ev-charging/training



LINIAN Earth Rod Pro™

With the rise of new technologies like EV charging, installers are completing even more earth rod installations than ever before. This can be a laborious task, often involving a large hammer, a lot of effort, and hopefully a bit of luck.

LINIAN have designed and developed a simple yet effective solution that bores through hard top layers and underground rock to achieve a secure earth rod connection. This innovative, patented, new solution offers installers confidence that they will be able to easily install the rod first time and to the desired depth. No more trial and error!

- Unique design allows for rapid earth rod installation
- Screws directly on to any brand of 16 mm [5/8"] earth rod
- Drive Shank head removal can be aided by use of a 17 mm spanner [not included]
- Tip is sized to allow earth rod couplers to be fitted
- Sacrificial tip remains installed once the rod is drilled to the desired depth

Please note:

- The installer should be satisfied that the desired ground area is free from any buried services prior to commencing earth rod installation

Drive Shanks

Code	Shank Type	Length	1+
2634-4675	SDS+	100 mm	£24.95
2634-4678	SDS Max	100 mm	£34.25



Carbide Tip

Drive Shank



Visit cef.co.uk for video demonstration

FROM £18.95 +VAT

Carbide Tips

Code	Pack	1+
2634-4663	1	£18.95
2634-4672	5	£89.95
2634-4666	10	£174.95
2634-4669	25	£424.95

Earth Electrode Box

- Supplied with a printed warning label on the lid
- Compatible with 20 mm conduit
- BS 4607-5



Code	Size	1+	10+
0432-0079	20 mm	£5.50	£4.95

Copperbond Unthreaded Earth Rod – 9.5 mm [3/8"] x 1,200 mm

- Molecularly bonded low carbon steel core with 99.9% pure electrolytic copper up to a thickness of 0.25 mm
- High tensile strength: At least 600N / mm²
- BS 7430 and BS 6651



Code	1+	5+
0007-1707	£3.35	£3.20

Earth Rod Cable Clamp – 9.5 mm [3/8"]

- Machine brass earth rod clamp for use with 9.5 mm [3/8"] Earth Rod [0007-1707]
- Standard 'B' type
- BS 7430 and BS 6651



Code	1+	5+
0007-1557	£2.30	£2.20

Copperbond Threaded Earth Rod – 16 mm [5/8"] x 1,200 mm

- Molecularly bonded low carbon steel core with 99.9% pure electrolytic copper up to a thickness of 0.25 mm
- High tensile strength: At least 600N / mm²
- BS 7430 and BS 6651



Code	1+	5+
0007-3156	£9.95	£8.95

Earth Rod Cable Clamp – 16 mm [5/8"]

- Made from copper alloy, providing a strong resistance to corrosion
- Conductor range: 16 - 70 mm²
- Bolt size: M10
- BS 7430 and BS 6651



Code	1+	5+
0007-2979	£5.75	£5.50

Coupler – 16 mm [5/8"]

- For use with 16 mm [5/8"] threaded Earth Rod [0007-3156]
- BS 7430 and BS 6651



Code	1+	5+
0007-1935	£3.75	£2.95





DISTRIBUTION SELECTION CHART

Getting the right product for the job is easy, get started by choosing the **NUMBER OF PHASES**

SINGLE PHASE

Rating: 7.2 kW

Circuit: 1	Circuits: 3	Circuits: 6
2658-3613 2660-3413 2660-3419 2660-3425	2562-2500 2595-2152 2595-2155	2595-2164 2595-2167

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THREE PHASE

Rating: 11 kW

Circuit: 1
2595-2128 2595-2131

Rating: 22 kW

Circuit: 1
2595-2140 2595-2143

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COMBINED SINGLE & THREE PHASE

Rating: 7.2 kW / 22 kW

Circuits: x 3 Single Phase / x 1 Three Phase	Circuits: x 3 Single Phase / x 2 Three Phase	Circuits: x 6 Single Phase / x 2 Three Phase	Circuits: x 9 Single Phase / x 3 Three Phase
2595-2158 2595-2161	2595-2170 2595-2173	2595-2176 2595-2179	2595-2182 2595-2185

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- All boards are 230 / 400V AC fitted with switch disconnector, RCBO, RCD or MCB as the incoming device
- kW Ratings: 230V single phase: 3.6 kW - 16A and 7.2 kW - 32A
- kW Ratings: 400V 3 phase: 11 kW - 16A and 22 kW - 32A

- RCD Requirements should be checked with the charging unit manufacturer
- BS 7671 Clause 722.531.2.1.1 requires RCDs to disconnect all live conductors
- RCBOs have Type A or Type B filtering, switched live and switched neutral

EV SWITCHGEAR

Type B RCDs

- Test button on the front panel
- Fault tripping indicator window
- 10 kA Interrupting capacity
- Suitable for smooth DC supply
- Terminal capacity: 35 mm²
- Mounted: DIN rail
- BS EN 61008

Code	Current Rating	Tripping Sensitivity	No. of Modules	No. of Poles	1+
2577-8734	63A	30 mA	4	2	£171.95
2577-8737	63A	30 mA	4	4	£181.95



MCG-EV



FROM
£171.95
+VAT

SP+N Distribution Boards – RCD Incomer

- Non-combustible metalclad distribution board
- Multiple knockouts for cable entry
- IP4XC



Includes:

- 63A 30 mA 2 Pole RCD
- 40A B Curve MCB [6 kA]
- Blanks

Code	No. of Ways	Height	Width	Depth	1+
Type A RCD (2 Module)					
2562-2500	2	235 mm	113 mm	105 mm	£63.95
Type B RCD (4 Module)					
2562-2503	4	235 mm	185 mm	105 mm	£242.50

100A TP+N Populated Distribution Boards – Mains Incomer

- Non-combustible metalclad distribution board
- Removable top gland plate
- Devices prewired
- Dimensions: 269 mm[H] x 326 mm[W] x 110 mm[D]
- IP3X
- BS EN 61439-3



Includes:

- 100A 4 Pole isolator
- 40A 30 mA C Curve SP RCBOs [Type A]

Code	Single Pole RCBOs	1+
Suitable For 3 x 7.2 kW SP EV Chargers		
2595-2152	3 x 40A	£248.95
Suitable For 6 x 7.2 kW SP EV Chargers		
2595-2164	6 x 40A	£340.95

100A TP+N Populated Distribution Boards – Mains Incomer

- Non-combustible metalclad distribution board
- Removable top gland plate
- Devices prewired
- Dimensions: 528 mm[H] x 326 mm[W] x 110 mm[D]
- IP3X
- BS EN 61439-3



PROTEUS EV

FROM
£411.95
+VAT

Includes: 100A 4 Pole isolator

Code	Single Pole RCBOs [30 mA Type A]	Single Pole MCBs [10 kA]	3 Pole MCB [10 kA]	2 Pole RCDs [30 mA Type A]	4 Pole RCD [30 mA Type A]	1+
Suitable For 3 x 7.2 kW SP EV Chargers						
2595-2155	-	3 x 40A [C Curve]	-	3 x 40A	-	£411.95
Suitable For 3 x 7.2 kW SP and 1 x 22 kW TP EV Chargers						
2595-2158	3 x 40A [C Curve]	-	40A [C Curve]	-	40A	£502.95
Suitable For 6 x 7.2 kW SP EV Chargers						
2595-2167	-	6 x 40A [C Curve]	-	6 x 40A	-	£562.95
Suitable For 3 x 7.2 kW SP and 1 x 22 kW TP EV Chargers						
2595-2161	-	3 x 40A [C Curve]	40A [C Curve]	3 x 40A	40A	£556.50



EV SWITCHGEAR CONTINUED

125A TP+N Populated Distribution Boards – Mains Incomer

- Non-combustible metalclad distribution board
- Removable top gland plate
- Devices prewired
- Dimensions: 655 mm[H] x 410 mm[W] x 110 mm[D]
- IP3X
- BS EN 61439-3



Includes:

- 125A 4 Pole isolator
- 40A 30 mA C Curve SP RCBOs [Type A]
- 40A C Curve TP MCBs [10 kA]
- 40A 30 mA 4 Pole RCDs [Type A]

Code	Single Pole RCBOs	3 Pole MCBs	4 Pole RCDs	1+
Suitable For 3 x 7.2 kW SP and 2 x 22 kW TP EV Chargers				
2595-2170	3 x 40A	2 x 40A	2 x 40A	£703.50
Suitable For 6 x 7.2 kW SP and 2 x 22 kW TP EV Chargers				
2595-2176	6 x 40A	2 x 40A	2 x 40A	£821.95

200A TP+N Populated Distribution Board – Mains Incomer

- Non-combustible metalclad distribution board
- Removable top gland plate
- Devices prewired
- Dimensions: 1,380 mm[H] x 410 mm[W] x 110 mm[D]
- IP3X
- BS EN 61439-3



Includes:

- 200A 4 Pole isolator
- 40A C Curve SP MCBs [10 kA]
- 40A C Curve TP MCBs [10 kA]
- 40A 30 mA 2 Pole RCDs [Type A]
- 40A 30 mA 4 Pole RCDs [Type A]

Code	Single Pole MCBs	3 Pole MCBs	2 Pole RCDs	4 Pole RCDs	1+
Suitable For 9 x 7.2 kW SP and 3 x 22 kW TP EV Chargers					
2595-2185	9 x 40A	3 x 40A	9 x 40A	3 x 40A	£1,692.50

200A TP+N Populated Distribution Board – Mains Incomer

- Non-combustible metalclad distribution board
- Removable top gland plate
- Devices prewired
- Dimensions: 1,045 mm[H] x 410 mm[W] x 110 mm[D]
- IP3X
- BS EN 61439-3



Includes:

- 200A 4 Pole isolator
- 40A 30 mA C Curve SP RCBOs [Type A]
- 40A C Curve TP MCBs [10 kA]
- 40A 30 mA 4 Pole RCDs [Type A]

Code	Single Pole RCBOs	3 Pole MCBs	4 Pole RCDs	1+
Suitable For 9 x 7.2 kW SP and 3 x 22 kW TP EV Chargers				
2595-2182	9 x 40A	3 x 40A	3 x 40A	£1,399.95

125A TP+N Populated Distribution Boards – Mains Incomer

- Non-combustible metalclad distribution board
- Removable top gland plate
- Devices prewired
- Dimensions: 885 mm[H] x 410 mm[W] x 110 mm[D]
- IP3X
- BS EN 61439-3



Includes:

- 125A 4 Pole isolator
- 40A 30 mA C Curve SP RBCOs [Type A]
- 40A C Curve TP MCBs [10 kA]
- 40A 30 mA 2 Pole RCDs [Type A]
- 40A 30 mA 4 Pole RCDs [Type A]

Code	Single Pole MCBs	3 Pole MCBs	2 Pole RCDs	4 Pole RCDs	1+
Suitable For 3 x 7.2 kW SP and 2 x 22 kW TP EV Chargers					
2595-2173	3 x 40A	2 x 40A	3 x 40A	2 x 40A	£784.50
Suitable For 6 x 7.2 kW SP and 2 x 22 kW TP EV Chargers					
2595-2179	6 x 40A	2 x 40A	6 x 40A	2 x 40A	£930.25

TP+N Populated Distribution Boards – Mains Incomer

- Non-combustible metalclad distribution board
- Multiple knockouts for cable entry
- Devices prewired
- Dimensions: 385 mm[H] x 205 mm[W] x 112 mm[D]
- IP3X
- BS EN 61439-3



Includes:

- 4 Pole isolator
- 30 mA 4 Pole RCD

Code	4 Pole Isolator	4 Pole RCD	RCD Type	1+
Suitable For 11 kW TP EV Charger				
2595-2128	25A	25A	A	£221.95
2595-2131	25A	63A	B	£373.50
Suitable For 22 kW TP EV Charger				
2595-2140	40A	40A	A	£221.95
2595-2143	40A	63A	B	£373.50

TP+N Populated Distribution Boards – MCB Incomer

- Non-combustible metalclad distribution board
- Multiple knockouts for cable entry
- Devices prewired
- Dimensions: 385 mm[H] x 205 mm[W] x 112 mm[D]
- IP3X
- BS EN 61439-3



Includes:

- C Curve 4 Pole MCB [10 kA]
- 30 mA 4 Pole RCD

Code	4 Pole RCD	RCD Type	4 Pole MCB	1+
Suitable For 11 kW TP EV Charger				
2595-2134	25A	A	20A	£243.75
2595-2137	63A	B	20A	£399.95
Suitable For 22 kW TP EV Charger				
2595-2146	40A	A	40A	£243.75
2595-2149	63A	B	40A	£399.95

Type B RCDs

- Bi-directional – can be supplied from either end
- Positive contact indication
- Test button
- Tripping sensitivity: 30 mA
- Terminal capacity: 35 mm²
- Mounted: DIN rail
- BS EN 61008



FROM **£193.95** +VAT

Code	Current Rating	No. of Poles	No. of Modules	1+
2713-4719	63A	IP+N	2	£193.95
2562-6871	63A	2	4	£193.95
2574-4120	63A	4	4	£221.95

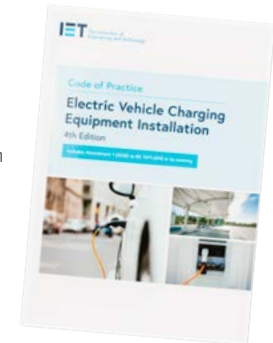
EV CHARGING CODE OF PRACTICE

EV Charging Code of Practice



The IET Code of Practice 4th Edition brings you up to speed with the latest rules and regulations.

- Updated in line with recent changes to BS 7671 – specifically section 722
- Essential reading for those procuring, installing, managing or otherwise working on EV charging units
- Greater clarity on domestic installations
- Expanded coverage of wireless charging as its potential becomes established
- Consideration of complicated smart infrastructure integration and compatibility
- More details within commercial and industrial 3 phase installations
- Background detail on the emergence on vehicle-to-grid and installation issues



Code	1+
2622-8533	£61.50 0% VAT





NON-ARMoured PROTECTIVE SHEATHED CABLES

With EV installations usually located outside and away from accessible infrastructure, there is an increased need for a cost-effective, flexible and future-proof mains power cable solution.

As a result, there is an ever-growing demand for tough sheathed cables over the more traditional and expensive SWA alternatives.

- Faster and easier to install
- Simple fixing and termination
- Suitable for burial, providing additional mechanical protection is provided

COMBINED POWER AND DATA

Both power and screened-data conductors are encapsulated within the sheath, making this the ultimate single cable solution for the ever-changing EV market.

The integrated data conductors can be utilised for the connection to current transformers on those EV charging units with load monitoring, balancing and switching features.

- Data capabilities usually required for OZEV approvals
- Fewer cables to install
- Less cable entries reducing the chance of water ingress
- Secure alternative to Wi-Fi connection
- Future-proof solution for possible upgrades

CABLE

Non-Armoured NYY-J EV Cable

- XLPE Insulated, PVC bedded with an outer PVC tough sheath
- For use indoors, outdoors, direct burial underground in concrete, or submerged in water
- Can be used where mechanical stresses are not anticipated
- Stranded annealed copper conductors
- IEC 60502-1

Code	Colour	Conductor	No. of Cores	1m+
Cut Length Per Metre				
0114-4159	Black	1.5 mm ²	3	£1.05
0114-4180	Black	1.5 mm ²	4	£1.45
0114-4192	Black	1.5 mm ²	5	£1.65
0114-4165	Black	2.5 mm ²	3	£1.55
0114-4183	Black	2.5 mm ²	4	£2.05
0114-4195	Black	2.5 mm ²	5	£2.40
0114-4174	Black	4.0 mm ²	3	£2.50
0114-4186	Black	4.0 mm ²	4	£3.35
0114-4177	Black	6.0 mm ²	3	£3.25
0114-4189	Black	6.0 mm ²	4	£4.35

Proinstall EV Cable

- Single cable solution with both power and screened-data conductors
- LSOH Outer sheath and UV resistant
- Multi-stranded copper power conductors for flexible use
- CAT6A solid conductors / 4 pairs
- Performance: 500 MHz
- IEC 60502-1, IEC EN 60228, TIA EIA 568-B.10 and IEC 61158-5

Code	Colour	Power Conductor	No. of Cores	1+
Cut Length Per Metre				
2691-7573	Black	6.0 mm ²	3	£7.50
2691-7576	Black	6.0 mm ²	5	£11.95

Ask in-store about full reel prices

EV CHARGING UNIT TESTERS

EV Station Adaptor – ETHOS 8600

- Simulate and test all Mode 2 and Mode 3 EV charging units
- Designed to be used in conjunction with an appropriate multifunction insulation tester
- Two 4 mm outputs for connection to an oscilloscope to measure the CP signal
- Check for hazardous touch voltage with PE pre-test
- Cable simulation states: NC, 13A, 20A, 32A and 63A
- Vehicle simulation states: A, B, C and D
- Error simulation states: E and PE
- IP54
- Guarantee: 1 Year



ETHOS
Test Instruments

Includes:

- Type 1 adaptor
- Type 2 test lead
- Instruction manual
- Soft carry case

NEW

Code	1+
2705-2399	£299.95

EV Station Adaptor – EV-520-UK

- Simulates vehicle connection and tests all Mode 3 EV charging units
- Full range of safety and functional tests achievable through connection to a multifunction installation tester
- Signal outputs for oscilloscope connection
- Supplied with Type 2 connector for testing both tethered cables and socket outlets
- Check for hazardous touch voltage with PE pre-test
- Cable simulation states: Open circuit, 13A, 20A, 32A and 63A
- Vehicle simulation states: A, B, C and D
- Error simulation states: E and PE
- LED Voltage indication
- IP54
- Warranty: 2 Years

BEHA AMPROBE



Includes:

- Type 2 test lead
- Instruction manual
- Soft carry case

Code	1+
2607-3829	£499.95

EV Charger Checker – EVCC300

- Ideal for use as part of a maintenance / inspection schedule or fault checking
- Suitable for Mode 2 and single phase Mode 3 charging units via either Type 1 or Type 2 connectors [included]
- Four safety checks: PE Touch pad for ground connection, RPE exposed metal work grounding, hazardous touch voltages and tripping of RCD / ground fault circuit interrupter [GCFI]
- Operation checks: Proximity function, vehicle simulation states: A, B, C and D including voltage, frequency and duty cycle plus charging unit voltage, frequency and supply polarity
- Checks for the likelihood of nuisance tripping of the RCD by slowly increasing earth leakage current until the device trips
- Warranty: 1 Year [3 Years on registration]

Megger



Includes:

- Type 2 to Type 1 adaptor cable
- Continuity / earth bond test lead
- 4 x Batteries: AA
- Case

NEW

Code	1+
2727-0118	£564.95

EV Test Adaptor – EVCA-210+

- Designed for use in conjunction with multifunction tester MFT1741
- Conduct tests on EV chargers using any appropriate single or multifunction tester
- Cable simulation states: NC, 13A, 20A, 32A and 63A
- Vehicle simulation states: A, B, C and D
- Error simulation states: E and PE
- IP54
- Warranty: 3 Years

Megger



Includes:

- Type 1 test lead
- Type 2 test lead
- Instruction manual
- Soft carry case

Code	1+
2633-0122	£349.95



EV CHARGING UNIT TESTERS CONTINUED

Multifunction Installation Tester with Testing Adaptor – MFT1741 + EVCA-210 KIT+

- Data storage and Bluetooth® communication
- Test EV charging units with the adaptor supplied
- Simple colour-coded test selection with large clear display
- Earth electrode testing
- Continuity and resistance test currents: 200 mA and 15 mA
- Insulation test voltages: 100, 250, 500 and 1,000V
- 2 and 3 Wire non-trip loop testing
- PSCC, PFC testing and Max. Zs measurement
- Full range of RCD tests including 3 phase, ramp and auto tests for Type AC, A, S and B RCDs
- Phase rotation and true RMS measurement
- Warranty: 3 Years

Includes:

- EVC-210 Test adaptor
- Type 1 and Type 2 test leads
- 3 Wire lead set with probes and croc clips
- Switched probe
- Mains plug test lead
- Calibration certificate

Code	1+
2628-9214	£1,436.95

EV Station Adaptor – A 1532

- Designed for use with Metrel multifunction tester – sold separately [2594-2660]
- Full range of safety and functional tests achievable through connection to any suitable multifunction installation tester
- Simulates vehicle connection and tests all Mode 3 EV charging units
- Supplied with Type 2 connector for testing both tethered cables and socket outlets
- Cable simulation states: Open circuit, 13A, 20A, 32A and 63A
- Vehicle simulation states: A, B, C and D
- Error simulation states: E
- Measuring terminal socket outputs for connection of 3 phase installation tester
- Socket output for connection to single phase installation tester
- LED Voltage indication
- IP40
- Warranty: 2 Years

Includes:

- Type 2 connector
- Instruction manual
- Soft carry case

Code	1+
2594-2483	£369.95

Megger.



Bluetooth

METREL

Electric Vehicle Supply Equipment Test Box – EVSE-TEST-BOX

- Simulates vehicle connection and tests all Mode 2 and 3 EV charging units
- Full range of safety and functional tests achievable through connection to a multifunction installation tester
- Fitted with Type 1 and Type 2 connectors for testing both tethered cables and socket outlets
- Measuring terminal socket outputs – universal 4 mm connections
- Vehicle simulation states: A, B and C



Code	1+
2670-4840	£241.50

myenergi

EV Station Tester – ChargeCheck

- Simulates vehicle connection and tests all Mode 3 EV charging units
- Full range of safety and functional tests achievable through connection to a multifunction installation tester
- Latching test button
- Supplied with Type 2 connector for testing both tethered cables and socket outlets
- Fitted with Type 1 socket for testing Type 1 tethered cables
- Socket output for connection to installation tester
- LED Polarity checker
- IP65

Includes:

- 1 m Type 1 to Type 2 adaptor cable
- Carry bag

ROLECEV



2077-4464
ONLY £414.75 +VAT

EV Testing Adaptor – TIS EV-TEST100

- Adaptor works seamlessly in conjunction with multifunction tester TIS MFT PRO
- Suitable for use with any appropriate tester – universal 4 mm connections
- Tests Mode 2 and 3 charging units
- Supplied with Type 2 connector for testing both tethered cables and socket outlets
- Phase presence indication
- Single phase or three phase systems
- Ventilated or non-ventilated charging stations
- Cable simulation states: NC, 13A, 20A, 32A and 63A
- Vehicle simulation states: A, B, C and D
- Error simulation states: E and PE
- IP40
- Warranty: 2 Years

Includes:

- Type 2 connector

Code	1+
2631-9859	£424.95

TIS



Multifunction Installation Testers with EV Testing Adaptor

- Advanced tester with full colour LCD [320 x 240 pixels]
- Full guided auto sequence – continuity, insulation, status checks and non-trip loop test
- RCD Test – 30 mA Type A and 6 mA Type B
- Test EV Charging units with the adaptor supplied
- Power quality analysis of single phase or balanced 3 phase systems
- Automatic RCD testing, up to 1A or 10A with an optional adaptor
- Ramp test in one visit
- Accurate PRO-Lock non-trip loop testing
- Insulation testing at 50, 100, 250, 500 and 1,000V
- Phase-to-phase loop testing
- 3 Phase rotation
- PC Interface integrated Wi-Fi communication
- Warranty: 3 Years

Includes:

- TIS EV-Test100 EV Adaptor
- Earth electrode kit [2686-7722 only]
- 3 Wire lead set with probes and croc clips
- Mains plug test lead
- Batteries
- Neck strap
- Harness
- Software
- Heavy-duty hard carry case with additional storage

NEW

Code	Description	Earth Electrode Testing	1+
2631-9862	TIS MFTPRO-EV	No	£1,170.95
2686-7722	TIS MFTPRO+EV	Yes	£1,479.95



TIS



Earth Electrode Kit



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Address Line 3

Address Line 4

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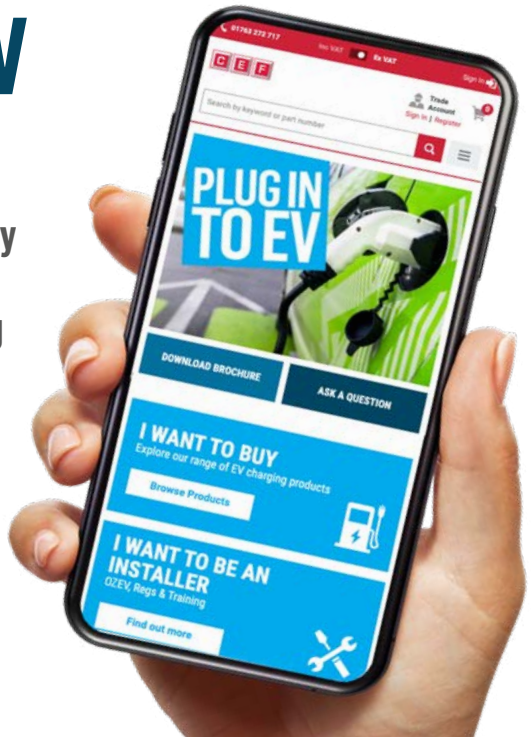


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- Installation guides
- Guidance on OZEV and regulations
- NICEIC Electric vehicle charging training



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- More details within commercial and industrial 3 phase installations
- Background detail on the emergence on vehicle-to-grid



2622-8533

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