

EcoLite® Basic charge point

FME07-T25-32A-1P-R-W-01 Data Sheet
Type 2 socket outlet



Compliances

IEC 61851-1 & -22, IEC 62196, LVD 2014/35/EU, 2011/65/EU, EMC Directive 2014/30/EU, CE Compliant, IEC 62955

Simple Load Sharing (SLS)

This feature will allow two SLS enabled EcoLites to safely & dynamically share one mains supply. When two EVs are plugged in, the SLS system will engage & share the total available power (nominally 50% to each vehicle). When one EV is plugged in or charging then 100% power will be made available to that EV again. It requires additional wiring and set up – see install manual for details.

- Designed, manufactured and tested in the UK
- Warranty info: www.viridianev.co.uk/resources

1-Phase

Part code: FME07-T25-32A-1P-R-W-01

Model/Desc: ELB2 - 32a Single Phase Free/Socket

Rated output: 7.4KW

Rate current: 32A Max

Rated Voltage: 230v 50Hz

Charging Current: 6a-32a (Configurable & variable)

Overcurrent & AC: 32a RCBO Type A

Earth Leakage: 30mA

Isolated Switch: Not Fitted

The EcoLite® Basic is a rugged and compact metal charge point engineered to be stronger and longer lasting than others on the market. Its designed primarily for domestic, light-commercial and simple destination charging.

This mode 3 charger has the core functionality required to charge EVs safely, which includes DC leakage protection. Additionally, two charge points can share one mains supply with the SLS feature, reducing install costs.

Product Features

- IEC 61851-1 Mode 3 fast charger
- 6mA DC integrated protection for DC leakage (RCM)
- Future proofing Type 2 Socket outlet
- Supports load sharing technology (see below)
- Supports adjustable current up to unit's rated max
- Adjustable status & halo LED brightness
- Available for 1-phase or 3-phase systems
- 16A or 32A configuration (3.7kW to 22kW)
- Compatible with every EV currently on the market
- Compact and simple to install to a wall or post
- Rugged metal enclosure treated for outdoor use

Options

- Optional built in RCBO or isolator switch
- Available with Type B RCD instead of RCM



Office for
Low Emission
Vehicles

OLEV approved installations



Designed for
compliant installations

Connecting Technology



Electrical

1-phase variants

| Part # / Order code | FME03-T2S-16A-1P-R-W-NN | FME03-T2S-16A-1P-R-W-01 | FME07-T2S-32A-1P-R-W-NN | FME07-T2S-32A-1P-R-W-01 |
|--------------------------------|-------------------------------------|-------------------------|-------------------------------------|-------------------------|
| Model / Desc. | ELB2 - 16A Single phase free/socket | | ELB2 - 32A Single phase free/socket | |
| Rated output | 3.7kW | | 7.4kW | |
| Rated current | 16A max | | 32A max | |
| Rated voltage | 230V 50Hz | | | |
| Charging current | 6A – 16A (configurable & variable) | | 6A – 32A (configurable & variable) | |
| Overcurrent & AC Earth Leakage | Not fitted* | 16A RCBO Type A 30mA | Not fitted* | 32A RCBO Type A 30mA |
| Isolation switch | Fitted | Not fitted | Fitted | Not fitted |

3-phase variants

| Part # / Order code | FME11-T2S-16A-3P-R-W-NN | FME11-T2S-16A-3P-R-W-01 | FME22-T2S-32A-3P-R-W-NN | FME22-T2S-32A-3P-R-W-01 |
|--------------------------------|------------------------------------|-------------------------|------------------------------------|-------------------------|
| Model / Desc. | ELB2 - 16A 3 phase free/socket | | ELB2 - 32A 3 phase free/socket | |
| Rated output | 11kW | | 22kW | |
| Rated current | 16A max | | 32A max | |
| Rated voltage | 400V 50Hz | | | |
| Charging current | 6A – 16A (configurable & variable) | | 6A – 32A (configurable & variable) | |
| Overcurrent & AC Earth Leakage | Not fitted* | 16A RCBO Type A 30mA | Not fitted* | 32A RCBO Type A 30mA |
| Isolation switch | Fitted | Not fitted | Fitted | Not fitted |

All free/socket variants

| | |
|---------------------------|--|
| Charging Mode | IEC 61851-1 Mode 3 |
| Socket outlet | Type 2 (Compliant to IEC 62196), hinged lid and solenoid locking |
| DC Leakage Protection | 6mA DC residual current monitor (RCM) |
| Standby Power Consumption | < 2W |
| Load balancing | Simple Load Sharing (SLS)** |
| Status Indication | 2 colour LED halo & 3 colour 'Charge point' text illumination |
| Supply Cable Entry | Rear or bottom entry. Holes predrilled to ø25mm |

*where not fitted, a suitably rated overcurrent and a dedicated 30mA Type RCD must be installed upstream

Mechanical

All free/socket variants

| | |
|-----------------------|--|
| Dimensions | W: 230 mm, H: 320 mm, D: 130 mm |
| IP Rating | IP54 |
| Enclosure Material | Powder coated folded mild-steel |
| Unit weight | 5.1kg |
| Operating Temperature | -25°C to 50°C (-25°C to 40°C if Type B RCD fitted) |
| User access | Trip reset / isolator via sealed key-lockable access panel |
| Colour / finish | White (RAL 9003) Gloss |



EV Charger Compatibility

| Manufacturer | Model | Vehicle Type |
|-----------------------|------------------------|--------------|
| Audi | Q7 e-tron | Car |
| Audi | A3 e-tron | Car |
| Audi | e-tron | Car |
| BD | Otomotiv eTraffic | Van |
| BD | Otomotiv eDucato | Van |
| BMW | i3s | Car |
| BMW | i3 | Car |
| BMW | i8 | Car |
| BMW | 225xe | Car |
| BMW | 330e | Car |
| BMW | 530e | Car |
| BYD | e6 | Car |
| Chevrolet | Volt | Car |
| Citroen | Czero | Car |
| Citroen | Berlingo | Van |
| Daimler Mercedes-Benz | Vito E-Cell | Van |
| Ford | Focus Electric | Car |
| Hyundai | KONA Electric | Car |
| Hyundai | IONIQ PHEV | Car |
| Hyundia | IONIQ Electric | Car |
| Jaguar | I-PACE | Car |
| Kia | Soul EV | Car |
| Kia | Niro PHEV | Car |
| Kia | Optima PHEV | Car |
| LDV | EV80 van | Van |
| LDV | EV80 chassis cab | Van |
| LEVC | TX | Taxi |
| Mahindra | e2o | Car |
| Mercedes-Benz | B-Class Electric Drive | Car |
| Mercedes-Benz | E350 e SE | Car |
| Mercedes-Benz | C350 e | Car |
| Mercedes-Benz | E350 e AMG Line | Car |
| Mercedes-Benz | S500 Hybrid | Car |

| Manufacturer | Model | Vehicle Type |
|----------------|---------------------------------|--------------|
| MINI | Countryman PHEV | Car |
| Mitsubishi | iMiEV | Car |
| Mitsubishi | Outlander PHEV | Car |
| Mitsubishi | Outlander Commercial | Van |
| Nissan | e-NV200 (5-seater and 7-seater) | Car |
| Nissan | LEAF | Car |
| Nissan | e-NV200 (cargo van) | Van |
| Peugeot | iON | Car |
| Peugeot | ePartner | Van |
| Porsche | Panamera S E-Hybrid | Car |
| Range Rover | P400e | Car |
| Range Rover | Sport PHEV | Car |
| Renault | ZOE | Car |
| Renault | Kangoo ZE | Van |
| Renault | Fluence | Car |
| Renault | Master ZE | Van |
| Smart EQ | forfour | Car |
| Smart EQ | fortwo | Car |
| Smith Electric | Smith Edison | Van |
| Tesla | Model S | Car |
| Tesla | Model X | Car |
| Toyota | Prius Plug-in | Car |
| Vauxhall | Ampera | Car |
| Volkswagen | e-Golf | Car |
| Volkswagen | e-up! | Car |
| Volkswagen | Golf GTE | Car |
| Volkswagen | Passat GTE | Car |
| Volvo | XC90 T8 Twin Engine | Car |
| Volvo | V60 D5 Twin Engine | Car |
| Volvo | V60 D6 Twin Engine | Car |
| Volvo | XC60 Twin Engine | Car |
| Volvo | S90 Twin Engine | Car |
| Volvo | V90 Twin Engine | Car |