

▶ EcoLite® Basic charge point

[Data Sheet](#)

Type 2 socket outlet



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

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



Office for
Low Emission
Vehicles

OLEV approved installations



Designed for
compliant installations

1-phase variants

Part # / Order code	E03-T2S-16A-1P-R-W-NN	E03-T2S-16A-1P-R-W-01	E07-T2S-32A-1P-R-W-NN	E07-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	E11-T2S-16A-3P-R-W-NN	E11-T2S-16A-3P-R-W-01	E22-T2S-32A-3P-R-W-NN	E22-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 \varnothing 25mm

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

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