

evopillar



EV CHARGING POWER DISTRIBUTION

kane

EvoPillar.com

Tel. 028 9181 4465

EvoPillar™ EV Charging Power Distribution

Kane Engineering, with over 50 years' experience in the design and manufacture of Low Voltage electrical Switchgear - and in response to the demand to rapidly develop & deploy infrastructure for the EVCP (Electric Vehicle Charging) market – presents the **EvoPillar™** switchgear solution.

Drawing on our expertise in this sector, Kane Engineering have developed a range of **indoor switchboards** and **outdoor feeder pillars** tailored to the power distribution requirements of the EVCP sector. The system has been designed and developed with a focus on Quality, Electrical safety, installation conditions, and incorporating space saving and enhanced installation features.

Please visit our website at www.evopillar.com or call 028 9181 4465 for sales & pricing.

3 Phase + Neutral Supply: 250A



The outdoor pillar is designed to encourage airflow through the pillar to reduce heat rise in the electrical devices, while maintaining an IP 54 rating and reducing system losses.

EVO250	
Main Incomer	250A
Device type	Isolator or MCCB
Rating	7kW to 22kW (32A 3-phase)
Number of Charging Points	Up to 25 4p ways
Dimensions (H x W x D mm)	1800 x 1450 x 400
Lock Type	8mm Triangular
Anti-Condensation Heater	Included
Construction	BS EN 61-439

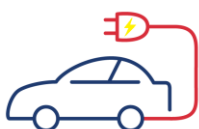
3 Phase + Neutral Supply: 400A

EVO400	
Main Incomer	400A
Device type	Isolator or MCCB
Rating	7kW to 22kW (32A 3-phase)
Number of Charging Points	Up to 25 4p ways
Dimensions (H x W x D mm)	1800 x 1450 x 400
Lock Type	8mm Triangular
Anti-Condensation Heater	Included
Construction	BS EN 61-439

The **EvoPillar™** Din standard fully integrated multi rail design can be configured to accommodate any combination of MCB's and RCBO's.

Din rail can be easily replaced with modular back plates to accommodate BMS, energy metering or other equipment such as surge arrestors. With the

doors opened, devices are accessible through removable covers, ensuring maximum operator safety and service durability of the panel.



3 Phase + Neutral Supply: DNO



EvoPillar™ is designed with ease of installation and maintenance in mind.

Outgoing gland plate is pre punched with 25mm hole suitable for 10mm & 16mm 4C armoured cables.

All devices are prewired to terminal rail with 16mm spring loaded quick connect terminals, capable of accepting 6mm to 16mm cables.

An earth bar runs the length of the kiosk fitted with spring loaded quick connect terminals.

Access to equipment for maintenance is via removable covers.

All of our distribution pillars can be connected direct to site wide electrical distribution infrastructure or direct from the DNO network. Our **EVO-DNO** are designed in a back-to-back configuration, with the DNO cut-out and metering housed on one side and your EV distribution equipment on the other side, reducing the overall footprint of the installation.

EvoPillar™ CHARACTERISTICS

- Heavy duty galvanised and painted sheet steel kiosk
- Available in a RAL7035 and BS4800 14-C-39 finish
- Option for stainless steel for coastal areas
- Gland plates pre-punched with 25mm for cable entry
- Ground mounting or root mounting options available
- Incomer ratings: 250A/ 400A (Higher ratings also available)
- Up to 25 x 32A 4P 30mA outgoing ways (to serve 22kW charge points)
- Can be configured to allow for future expansion
- Multirow configuration – easy to adapt and design to your requirements
- Designed to accept din rail mounted and backplate mounted devices
- All devices pre-wired to terminal rail for ease of installation
- Can include the DNO cut-out & metering (back-to-back solution)
- Easy access to incoming and outgoing cables
- Specially designed for retail, office and warehouse car-parks environments where providing EV chargers for employees and/or customers
- Provision for BMS connection & metering

