

EV Charging Solutions

Type 439FP for EV Charging Applications

Powell's Type 439FP product line is a compact, modular design that can provide multiple charging points for electrical vehicle charging. Units are shipped fully assembled from our factory and can be installed with minimal downtime, resulting in significant cost savings. The Feeder Pillar is extensible allowing for ease of installation of future outgoing ways without the need to replace or buy a new feeder pillar.

Our Type 439FP range has been designed and tested to exceed the requirements of BS EN IEC 61439-7 and is available with an external degree of protection up to IP44 in accordance with IEC 60529. Our modular design permits simple and safe cubicle configurations on site.

As a leading global LV Switchboard & MCC manufacturer, and automation solutions provider, our team of highly skilled engineering professionals have the application expertise and industry knowledge to tackle your specific EV charging supply requirements.



Typical 8-Way Feeder Pillar Unit

Benefits

- **Compact, fully assembled factory construction for ease of installation**
- **Configurable modular solution to site and customer requirements**
- **Extensible Feeder Pillar allows easy installation of further outgoing ways after installation.**
- **Free standing or Transformer mounted design**
- **Removes the requirement for GRP to house the equipment**
- **Incoming 100A to 3200A**
- **Outgoing Ways from 1 up to 16 utilizing 40A-630A Molded Case Circuit Breakers**
- **Outgoing Ways from 1 up to 40 utilizing 40A-80A Miniature Circuit Breaker**
- **Planned installation with minimal downtime, providing significant cost saving**
- **Available with optional state-of-the-art condition monitoring for security of supply and optimized maintenance**
- **Seamless integration with existing distribution systems**



Type 439FP range can be configured to suite your individual site requirements:

Type 439FP for EV Applications							
Standard Charging	7kW	22kW	43kW	50kW	120kW	250kW	350kW
Outgoing Ways	40A SPN	40A TPN	63A TPN	80A TPN	250A TPN	400A TPN	630A TPN
Maximum no. of charge points	48*	24*	24*	24*	12*	8*	8*
Incoming Device	MCCB	MCCB	MCCB	MCCB/ACB	MCCB/ACB	ACB	ACB
IP Rating	IP44						
Construction	Modular 2mm Aluzinc						
DNO Metering	Available Upon Request						
Generator Connection	Available Upon Request						
BriteSpot®	Can be equipped with optional BriteSpot, fiber-optic temperature monitoring to provide instant, accurate, non-intrusive, 24/7 thermal monitoring. For more information, visit our website: https://powellind.com/powell-digital-solutions						
Finish	Dark Grey 632 BS381C UV Stable. Custom finish upon request.						
*Additional charge points designs are available for client requirements, ratings can be mixed.							



Interior view showing main circuit breaker and branch feeder breakers

Contact us at at info@powellind.com or iec.sales@powellind.com to learn more about how Powell’s EV Charging Solutions can be designed and constructed to meet your specific needs and applications.