

IP66 External EV Circuit Protection

Designed specifically for use with EV chargers to allow for external wiring applications. Compliant to latest 18th Edition AMD 4.

- **Weatherproof IP66 EV Enclosure:** Made from high-quality UV-stable plastic, it guarantees exceptional protection against dust and water, offers a more economical alternative to traditional metal units.
- **Versatile and Easy Installation:** Features a removable, raised DIN rail for fast first fix offering easier cable routing, combi-style screws for one-tool installation and multiple cable entries.
- **Intelligent Monitoring:** Easy to use Sync Energy app shows energy flow and usage with full control over how energy is used and stored. View tariff details, real time costs and savings with Tariff Sense.
- **Dual Purpose for EV and Solar Charging:** Accommodates up to 5 modules and includes a 18mm blank, allowing for easy future expansion, making it a versatile choice for modern energy management.
- **Sync Energy's 10-Year Manufacturer's Warranty:** They guarantee against faulty materials and workmanship – giving you total peace of mind. BS/EN 61439-3, and BS7671 compliant.



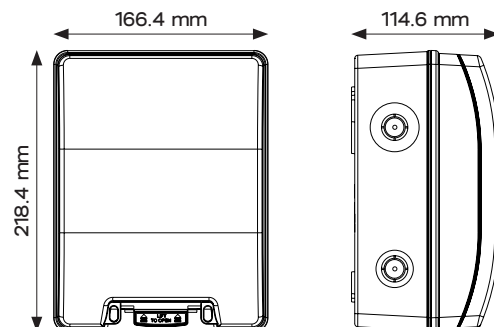
PART NO.	DESCRIPTION	INCOMER	IP RATING	MATERIAL	COLOUR
CP5MPS1G	1 x 100A Main Switch, 1 x 40A B Curve MCB, 1 x Type 2 SPD	100A Main Switch	IP66	PC Housing, UV Stable	Anthracite Grey, RAL 7016

COVER BLANKS 1 x 18mm (removable)

CUTOUTS & KNOCKOUTS **DRILLABLE - SIDES** 20-40MM & 20-25MM 1 EACH SIDE, **BOTTOM** 20-25MM X 3 **BASE** 20-32MM x1

COMPLIANCE 18th Edition BS7671 Amendment 4

STANDARDS **MAIN SWITCH** IEC/EN 60947-3, **MCB** IEC/EN 60898, **SPD** IEC 61643-11, **ENCLOSURE** IEC 61439-3



Technical Data

Bidirectional 40A 6KA B curve MCB

Single pole bidirectional MCB B & C curve providing superior protection for both circuits and people where current has the ability to flow in 2 directions through the device such as a PV/ Solar application. The single module compact design will fit in any BG consumer unit or enclosure via a DIN rail fit.

Features

- Available in B & C curve
- Single module
- 6kA breaking capacity
- Available from 6A-55A B Curve & 6A-50A C curve
- Positive contact status indication
- Bidirectional
- -25°C - +40°C operating temperature range

Technical Specifications

Standard(s)	IEC/EN 60898
Bidirectional	Yes
Number of poles	1
Type of pole	L
Fixing mode	DIN rail type 35mm
Curve	B & C
Operating temperature range	-25°C - +40°C
Rated Operational Voltage Ue	230V
Frequency	50Hz
Type of supply voltage	AC
Rated Insulation voltage	500V

Max Operating Voltage	264V
Rated impulse withstand voltage	6kV
Electrical endurance in number of cycles	4,000
Number of mechanical operations	10,000
Screw terminal	Yes - Pozidrive 2
Terminal Torque	2.0Nm
Max cable Capacity	6-20 A 16mm, 32-55A 25mm



Technical Data

Type 2 Surge Protection Device

This Type 2 Surge Protection Device provides superior protection against Transient over voltages, by diverting the surge to earth within <25ns. And protecting all loads/circuits connected to the consumer unit.

Features

- Type 2 single phase
- Fully compliant to BSEN61643-11, BSEN62305 & BSEN7671
- Single module
- 40kA
- Max back up fuse 100A gG
- Positive contact status indicator
- Compact size
- Suitable for domestic installations

Technical Specifications

Standards	BSEN61643-11, BSEN62305
Maximum continuous voltage UCV	275V
Voltage protection level	<1.5kV
Nominal discharge current(In)	L-N 20kA, N-PE 20kA Max discharge L-N 40kA N-PE 40kA
Response time	<25ns

Recommended back up fuse	100A gG
Terminal capacity	1.5mm ² - 6mm ²
Terminal Torque	L - 3Nm N/PE 1.2Nm
Din rail mountable	Yes
Visual indication of status	Green: OK Red: Replace Device

