



Product Overview

The MCP family of products is built around a 230V AC/DC central battery platform, delivering output capacities between 275W and 750W with a three-hour duration. All MCPs are fully compliant with BS EN 50171 and can be supplied with either circuit monitoring or individual luminaire monitoring. The MCP can be linked to a PC where a user interface allows access to detailed reports, test records, and scheduled testing information.

The MCP operates on a 230V AC/DC system, so it is compatible with virtually any LED drivers. When fixed-output drivers are used, the system delivers 100% light output during emergency operation. If DALI LED drivers are used many are capable of having the DC output adjusted for emergency mode. Out of the box most DALI Drivers come preset to 15% output in DC mode, but this can also be adjusted to achieve specific light levels for different applications. Having this flexibility ensures the battery capacity is tailored to the project needs making it more cost effective. Full support is offered by Smart Emergency Technologies Ltd with full system design, integration support and a commissioning service. We can provide a comprehensive range of compatible luminaires and exit signs, and can offer an upgrade service if existing luminaires need to be modified.



Product Features

- Compact design with 275W – 750W load options
- Circuit monitoring or luminaire monitoring options available
- Systems are fully compliant to BS EN50171
- Ideal for applications such as exterior lighting, refrigeration areas & high-risk areas requiring higher lux levels
- Luminaire output tunable in emergency mode when DALI drivers are used
- Minimum 10-year life expectancy from batteries
- TUV Rhineland certified
- Full technical support from the SET team for project design





Technical Data

	MCP602	MCP603	MCP804	MCP805
Slots 19°	4	7	7	7
No. of included mains circuits	6	6	8	8
Max No. of luminaires/circuit	20	20	20	20
Charging unit included	Yes	Yes	Yes	Yes
3 phase mains monitor included	Yes	Yes	Yes	Yes
IO module included	Yes	Yes	Yes	Yes
Networked	Yes	Yes	Yes	Yes
Connection Substation/Sundistribution	No	No	No	No
Max. load 1h	691 W	903 W	1339 W	1944 W
Max. load 3h	276 W	401 W	536 W	755 W
Max. load 8h	104 W	164 W	230 W	339 W
Input voltage AC	230 V	230 V	230 V	230 V
Input frequency Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output voltage AC	230 V	230 V	230 V	230 V
Output voltage DC	216 V	216 V	216 V	216 V
Material	Steel sheet	Steel sheet	Steel sheet	Steel sheet
Colour	RAL 7035	RAL 7035	RAL 7035	RAL 7035
Mechanical Rating (IP)	20	20	20	20
Protection Class	1	1	1	1
Length	230mm	230mm	230mm	230mm
Width	350mm	500mm	500mm	500mm
Height	660mm	1,100mm	1,100mm	1,100mm
Customs tariff number	85371098	85371098	85371098	85371098
Country of origin	Germany	Germany	Germany	Germany

Order Codes

Description

MCP602	MCP 276W 230V AC/DC 6 Circuit Central Battery System
MCP603	MCP 401W 230V AC/DC 6 Circuit Central Battery System
MCP604	MCP 536W 230V AC/DC 8 Circuit Central Battery System
MCP605	MCP 755W 230V AC/DC 8 Circuit Central Battery System

Product Standards

BS EN 50171	EN 61547: 2010
EN 61000-3-2: 2019	EN 50171: 2022
EN 61000-3-3: 2023	EN 50178: 1997
EN 61000-6-2: 2019	EN 62034: 2012