

DELPHYS EM

Secure power supply for emergency systems
160 and 200 kVA



DELPHYS_201.F80

The EMergency CPSS range (Emergency Central Power Supply System) has been designed to answer your needs in terms of power supply for your safety system.

All our EMergency products are compliant with standard EN 50171.

The EMergency CPSS products are intended to ensure energy supply to emergency escape lighting in the event of mains supply failure.

Depending on the local legislation, it may be suitable for energizing other essential safety equipment, such as:

- Electric circuits of automatic fire extinguishing installations.
- Paging systems and signaling safety installations.
- Smoke extraction equipment.
- Carbon monoxide warning systems.
- Special safety installations related to specific buildings, e.g. high-risk areas.

The wide range is suitable for all standard needs. For non-standard requests, our team of experts is on hand to adapt the products to your needs.

The solution for

- > Airports
- > Railways and bus stations
- > Schools and universities
- > Hospitals
- > Shopping centers
- > Cinemas and theatres
- > Museums
- > Public buildings
- > Office buildings
- > Hotels

Compliance with standards



Certifications and attestations



Our dedicated Expert Services for UPS

We offer services to ensure your UPS highest availability:

- > Commissioning
- > On-site intervention
- > Preventive maintenance visits
- > 24-hour call out and rapid on-site repairs
- > Maintenance packages
- > Training



www.socomec.com/services

Standard features

- IP20 metal enclosure compliant with EN60598-1.
- Battery charging: 80% in 12 hours.
- Battery protection against the damage due to a polarity inversion.
- Battery protection against deep discharge.
- Long-life battery with 10-year life expectancy.
- Designed to withstand 120% of the nominal charge during the entire back-up period.
- Specific dry contacts & monitoring for EMergency system.

Options

- Transformer embedded in the UPS enclosure (contact us for further information).
- Connection to downstream IT earthing system.
- Eco mode to reach up to 98% efficiency.
- Other types of battery available.

Standard communication features

- User-friendly 7" touch-screen multilingual colour graphic display.
- Slots for communication options.
- Dry-contact interface (configurable voltage-free contacts).

Communication options

- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU RS485 or MODBUS TCP.
- NET VISION: professional WEB/SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- REMOTE VIEW PRO supervision software.

Technical data

DELPHYS EM

Sn (kVA)	160	200
Pn (kW)	144	180
Pn according to EN 50171 (kW)	120	150
Input / output	3/3	
INPUT		
Rated voltage	400 V 3ph	
Voltage tolerance ⁽¹⁾	240 V to 480 V ⁽¹⁾	
Rated frequency	50/60 Hz	
Frequency tolerance	± 10%	
Power factor / THDI	0.99 / < 3%	
OUTPUT		
Rated voltage	400 V	
Voltage tolerance	static load ±1 % dynamic load in accordance with VFI-SS-111	
Rated frequency	50/60 Hz	
Frequency tolerance	± 2 % (configurable from 1 % to 8 %)	
Overload UPS designed @ Pn	110% for 10 min, 135% for 1 min	
Crest factor	3:1	
UPS CABINET		
Dimensions W x D x H	700 x 800 x 1930 mm	
Weight	480 kg	500 kg
Protection degree	IP20 (EN 50171)	
Acoustic level 1m (ISO 3756)	< 68 dBA	
BATTERY		
Type	VRLA with 10-year life expectancy (optional in external cabinet)	
Charging capability	80% of back-up time in 12h	
STANDARDS		
CPSS	EN 50171	
Safety	EN 62040-1	
EMC	EN 62040-2	
Performace	EN 62040-3	
Product certification	CE	

(1) Condition apply