

DELPHYS EM

Secure power supply for emergency systems
160 and 200 kVA



DELPHYS_201.PSD

Function

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.

Advantages

A complete solution for your emergency systems

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

- > Healthcare
- > Industry

Strong points

- > A complete solution for your emergency systems

Conformity to standards

- > EN 50171
- > IEC/EN 62040-1, IEC/EN 62040-2
- > CE



Certifications and attestations



Expert services

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

General characteristics

- 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.

Electrical options

- Transformer embedded in the UPS enclosure.
- 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