*EM*ergency CPSS

Secure power supply for emergency systems
from 1.5 to 200 kVA

MODULYS

MASTERYS

DELPHYS

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

EM EN 50171

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

The EMergency CPSS range 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.

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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.

Technical data

		MODULYS				MASTERYS							DELPHYS	
Sn [kVA]		1.5	3	4.5	6	10	15	20	30	40	60	80	160	200
Pn [kW]		1.05	2.1	3.2	4.2	9	13.5	18	27	36	54	72	144	180
Pn according to EN 50171 [kW]		0.87	1.8	2.6	3.5	7.5	11.3	15	22.5	30	45	60	120	150
Input/output		1/1	1/1	1/1	1/1	3/1 3/3	3/1 3/3	3/1 3/3	3/3	3/3	3/3	3/3	3/3	3/3

INPUT

Rated voltage	230 V (1ph+N)	400 V (3ph+N)	400 V 3ph
Voltage tolerance[1]	± 20 %	240 V to 480 V[1]	
Rated frequency		50 - 60 Hz	
Frequency tolerance		± 10 %	
Power factor / THDI	> 0.98 % / < 6 %	> 0.99 / < 3 %	0.99/ < 3%

OUTPUT

Rated voltage	230 V (1ph+N)	230 V (1ph+N) - 400 V (3ph+N)	400 V
Voltage tolerance	± 3 %	static load ±1 % dynamic load in accordance with VFI-SS-111	
Rated frequency		50 - 60 Hz	
Frequency tolerance	± 0.1%	± 2 % (configurable from 1 % to 8 %)	
Overload UPS designed @ Pn	110% for 5 min, 130% for 5 sec	125% for 10 min, 150% for 1 min	110% for 10 min, 135% for 1 min
Crest factor		3:1	

UPS CABINET

Dimensions W x D x H (mm)		444x795x1000				444x795x1400							700x800x1930	
Maximum weight (kg)	Embedded battery	145	220	275	380	515	-	-	-	-	-	-	-	-
	Without battery	-	-	-	-	120	124	127	138	158	201	211	480	500
Protection degree		IP 20 (EN 50171)												
Acoustic level (dBA) 1m (ISO 3756)		< 52				< 62							< 68	

BATTERY

Type		VRLA with 10-year life expectancy					
Standard back-up time at the end of battery life		60/90/120 min [1]					
Charging capabillity		80 % of back-up time in 12h					
Embedded battery Max BUT (min)[1]	Load 25%	300	300	250	300	280	External battery
	Load 100%	100	100	100	100	60	

STANDARDS

CPSS	EN 50171
Safety	IEC/EN 62040-1
EMC	IEC/EN 62040-2
Performance	IEC/EN 62040-3
Product declaration	CE

(1) Condition apply