



EMergency CPSS

Secure power supply for emergency systems
from 1.5 to 200 kVA

EMergency CPSS



MODULYS

MASTERYS

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

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.

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	100	120	160	200		
Pn [kW]	1.05	2.1	3.2	4.2	9	13.5	18	27	36	54	72	90	108	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	75	90	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	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		700x800x1930		
Maximum weight (kg)	Embedded battery	145	220	275	380	515	-	-	-	-	-	-	-	-	-		
	Without battery	-	-	-	-	120	124	127	138	158	201	211	410	430	480	500	
Protection degree	IP 20 (EN 50171)																
Acoustic level (dBA) 1m (ISO 3756)	< 52				< 62								< 65		< 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 capability	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