ITYS EM+

Secure power supply for single-phase emergency systems
2 and 6 kVA

EM 037

EM 026

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.

EN 50171 compliant

- IP20 enclosure compliant with EN 60598-1.
- Fast battery charge: 80% in 12 hours.
- Battery protection against damage due to a polarity inversion.
- Battery protection against deep discharge.
- Long-life battery with 10-year life expectancy (only for 6 kVA).
- Designed to withstand 120% of the nominal charge during the entire back-up period.

Robust with high availability

- True online double conversion technology (VFI) assures high availability and total load protection in any environmental conditions.
- Reliable solution in a wide operating ambient temperature up to 45 °C.
- Standard Over Voltage Control Device (OVCD) protects the UPS and the load from dangerous mains peak-voltages.
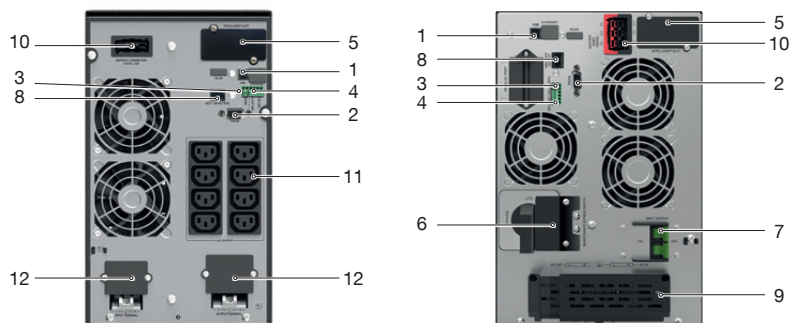
Flexible autonomy

- Modular battery extension flexibility enables limitless autonomy configuration.
- Hot-swap modular battery extension increases back-up - even after installation - according to the load criticality to be supplied.
- UPS with powerful battery charger for modular battery extension to:
  - ensure constant and reliable operation using external high capacity batteries.
  - provide power supply continuity during long outages.
  - ensure a fast recharging.

Easy and error-free installation

- Quick and simple installation: no configuration necessary on first startup.
- Compact tower UPS system saves space in the operating environment.
- Installation according to the load criticality to be supplied.

The solution for

- > Schools and universities
- > Shopping centres
- > Cinemas and theatres
- > Museums
- > Public buildings
- > Office buildings

Compliance with standards

- > 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

socomec
Innovative Power Solutions

Connections

2 kVA

1. USB serial port
2. RS232 serial port
3. Power off the UPS remotely
4. Dry-contact interface
5. Slot for optional communication boards
6. Manual bypass

6 kVA

7. Input protection (thermal breaker)
8. Battery detection
9. Input and output terminal board
10. Connection for modular battery extension
11. Output sockets
12. Input and output terminal

Technical data

	ITYS EM+	
Model	ITY3-EM020LB-K	ITY3-EM060LB-K
Sn (kVA)	2	6
Pn (kW)	2	6
Pn according to EN 50171 (kW)	1.5	5
Inverter max withstand power EN 50171 (kW)	2	6
Input / output	1/1	
INPUT		
Rated voltage	230 V (1ph+N)	
Voltage tolerance	160 V to 300 V	160 V to 276 V
Rated frequency	50/60 Hz	
Frequency tolerance	± 2%	
Power factor / THDI	> 0.98% / < 5% > 0.99	
OUTPUT		
Rated voltage	220/230/240 V	
Voltage tolerance	± 1%	
Rated frequency	50/60 Hz	
Frequency tolerance	± 0.1%	
Overload UPS designed @ Pn	110% for 5 min. 130% for 5 sec	
Crest factor	3:1	
UPS CABINET		
Dimensions W x D x H	192x428x322 mm	225x416x354 mm
Weight	11 kg	13.5 kg
Protection degree	IP20 (EN 50171)	
Acoustic level (dBA) 1m (ISO 3756)	< 52	
BATTERY		
Type	VRLA with 5-year life expectancy	VRLA with 10-year life expectancy
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, UKCA	

System features

- Embedded dry-contact interface.
- Input mains switch breaker.
- Connection for battery extension modules.
- Power off the UPS remotely.
- Internal temperature sensor.

Standard communication features

- 1 slot for communication options.
- Dry-contact card according to EN 50171.
- USB port for UPS management based on HID protocol.
- MODBUS RTU (RS232).
- LOCAL VIEW software for local UPS monitoring and shutdown for Windows, Linux and MAC OSX.
- Clear and uncluttered LCD interface for easy UPS monitoring, even for less specialist users.

EM 038 A

Communication option

- NET VISION: professional WEB/ SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- Environmental Monitoring Device (EMD).
- REMOTE VIEW PRO supervision software.