# SFP5441 Safety Power



#### Feature

Uninterruptible Power supply unit for fire protection and voice alarm system. Conform to European standard EN54.4. The devices can integrate all range CBI'S ADELSystem and different battery size from 1.2 to 18Ah, Environment protection IP31, in conformity to EN54.4 The maximum total output current depending on the type of CBI's chosen can reach 20 A that can be distributed between load and battery. Complete rang of Power supply output: 12, 24, 48 Vdc. CBI's devices can supply the load and recharge & testing the Battery. For Recharge & Testing battery feature, please refer to Technical Data CBI line.

When main fail, automatically the CBI'S switch the battery to the load without any output interruption. In any situation the battery it is tested charged and temperature charging compensated, by external temperature sensor. By DPY351 or DPY353 it is possible monitoring state and alarm that can be transmitted by Dry contact or by Ethernet. The alarms Type are: Battery Fault, Main o Back Up, Generic Fault. By ADELView system DPY353, it is possible monitoring and configuring the device from other site.

24	20A	CBI2420A	DPY351 - 353	ModBus RTU-Ethernet

### Input Data

Nominal Input Voltage Vac	115 - 230 - 277
Voltage range Vac	90 ÷ 305
Frequency	47 ÷ 63 Hz
Other data please refer to specific CBI'S data sheet	
Generic Output Data "Load side"	
Output Voltage 12 – 24 – 48 Vdc.:	Depend on CBI
Output Number	2 or more
Battery Output Connection	
Output Voltage Battery	Depend on CBI
Signal Output Alarm (free switch co	ntacts)
Main or Backup Input Power	Yes
Battery Fault	Yes
Generic System Fault	Yes
Battery Type Capacity	
Lead Acid Ah	1.240
Signal Input / Output (on Aux1 CBI)	
Temp. Comp. Battery (with external probe)	RJTemp
Remote monitoring display	DPY351
Connection Ethernet	By DPY351
Connection ModBus by CBI	CBI Size3 and Size4
General Data	
Protection Class (EN/IEC 60529); indoor use only	IP55
FIOLECTION Class (LIV/IEC 00525), INDOOL USE ONLY	
Protection class (PE Connected)	l, with PE

Input: Single-phase 115 - 230 - 277 Vac Output: 24 Vdc

- Charge type: put inside all range of "CBI" DC UPS ADELSystem
- Battery Temperature compensation

Batteries containment: Lead Acid batteries

Deep Discharge protections

- Charging curve IUoU, constant voltage and Constant current
- Life Test Battery: detect internal battery resistance Four charging levels: Recovery, Bulk, Absorption,
- Boost, Float

Protected against short circuit and inverted polarity Signal output (contact free) for discharged or damaged battery, Mains / Back-UP

Connectivity: ModBus RTU; Ethernet (depend on device)

Wall Mount

Protection degree IP55; Space saving

Steel enclosure, painted steel, Coating:	White or Black
Dimensions (w-h-d)	500x500x210 mm
Weight	kg 35 pprox
Climatic Data	
Ambient temperature (operation)	-25 ÷ +70°C
De Rating T <sup>a</sup> > 50°C	- 2.5%(ln) / °C
Ambient temperature Storage	-40 ÷ +85°C
Humidity at 25 °C no condensation	95% to 25°C
Cooling	Fan

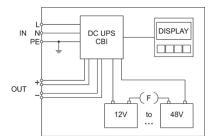
#### Norms and Certifications

In Conformity to: EN60950 / UL1950 Electrical safety; EN54-4 Fire Detection and fire alarm systems and EN12101-10. Electromagnetic Compatibility 2014/30/EU; Low Voltage 2014/35/EU; Restriction of Hazardous Substances directive (RoHS) 2011/65/EU

## Accessory

All Range DC UPS	CBI xxxx A
3.5" Graphic display for Monitoring and Ethernet	DPY351
Temperature Battery Compensation Probe	RJTEMP xxx

## **Electrical Diagram**



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