

SFP5441 Safety Power



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

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.

Device (In Voltage 115,230,277 Vac)

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 contacts)

Main or Backup Input Power	Yes
Battery Fault	Yes
Generic System Fault	Yes

Battery Type Capacity

Lead Acid Ah	1.2...40
--------------	----------

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
Protection class (PE Connected)	I, with PE

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 ^a > 50°C	- 2.5%(In) / °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

