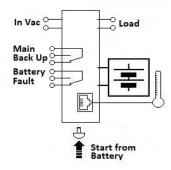


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ELECTRONIQUE





JDI243A ALL In One

Input: Single-phase 115 - 277 Vac Output Load: power supply 24 Vdc; 3 A Output Battery: charging 24 Vdc; 3 A

Suited for the following battery types: Open Lead Acid, Sealed

Lead Acid, Lead Gel, Li-Ion and Ni-Cd

Automatic diagnostic of battery status. Charging curve IUoU, constant voltage and constant current Battery Life Test function

(Battery Care)

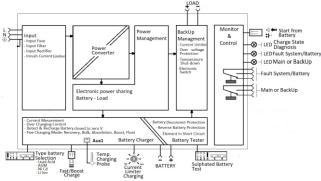
Internal fuse (not replaceable)

Switching technology, output voltage 22-28.8Vdc Three charging levels: Boost, Float and Recovery Protected against short circuit and inverted polarity Signal output (contact free) for discharged or damaged battery Signal output (contact free) for mains or Back-UP

Protection degree IP20 - DIN rail; Space saving

Technical features

Thanks to the All In One units (DC-UPS), it will be possible to optimize power management. The available power is automatically allocated between load and battery, supplying power to the load is the first priority of the unit thus it is not necessary to double the power, because also the power going to the battery will go to the load if the load so requires. The maximum available current on the load output is 2 times the value of the device rated current In. We call "Battery Care" the concept base on algorithms that implement rapid and automatic charging, battery charge optimization during $time, flat\ batteries\ recovery\ and\ real\ time\ diagnostic\ during\ installation\ and\ operation.\ The\ Real\ Time$ Auto-diagnostic system, monitoring battery faults such as, battery Sulfated, elements in short circuit, accidental reverse polarity connection, disconnection of the battery, they can easily be detected and removed by help of Blink Code of Diagnosis Led; during the installation and after sell. The continuous monitoring of battery efficiency reduces battery damage risk and allows a safe operation in permanent connection. Each device is suited for all battery types by means of jumpers it is possible setting predefined curves for Open Lead Acid, Sealed Lead Acid, Gel, Ni-Cd (option). They are programmed for two charging levels, boost and charge, but they can be changed to single charging level by the user. A rugged casing with bracket for DIN rail mounting provides IP20 protection degree. They are extremely compact and cost-effective.



Norms and Certifications

Technology Equipment) – Safety – Part1: General Requirement. Electrical safety; EN54-4 Fire Detection and fire alarm systems; 89/336/EEC EMC Directive; 2014/35/UE (Low Voltage); Safety EN IEC 62368-1: 2014/AC:2015; DIN41773 (Charging cycle); Emission: IEC 61000-6-3; Immunity: IEC 61000-6-2. CE.

Climatic Data aratura (aparation)

Ambient temperature (operation)	-25 ÷ +70°C	
De Rating Ta > 50°C	- 2.5%(In) / °C	
Ambient temperature Storage	-40 ÷ +85°C	
Humidity at 25 °C no condensation	95% to 25°C	
Altitude: 0 to 2 000m - 0 to 6 560ft	No restrictions	
Altitude: 2 000 to 6 000m - 6 560 to 20 000ft	De-rating 5°C/1000m	
Cooling	Auto convention	
General Data		
Insulation voltage (IN/OUT)	3000 Vac	
Insulation voltage (Input / Earth, PE)	2000 Vac	
Insulation voltage (Out Load & Battery / Earth, PE)	500 Vac	
Insulation voltage (Out Load & Battery / Fault System &	500 Vac	
Main or Back Up terminal)		
Protection Class (EN/IEC 60529)	IP20	
Reliability: MTBF IEC 61709	> 300.000 h	
Pollution Degree Environment	2	
Connection Terminal Blocks screw Type	2,5mm(24-14AWG)	
Protection class (PE Connected)	I, with PE	
Dimensions (w-h-d)	65x115x135 mm	
Weight	0.6 kg approx.	
Input Data		
Nominal Input Voltage Vac	115 – 230– 277	
Voltage range Vac	90 ÷ 305	
Inrush Current (Vn – In nom. Load) I ² t	≤11 A ≤5 msec.	
Frequency	47 ÷ 63 Hz	
Input Current (115 – 230 – 277 Vac) Max	2.8 - 1.7 - 1.3 A	

4 A			
10 A	10 A		
24 Vdc	/ 3Δ		
	,		
	.,		
-	•		
Yes			
Follow the	Out Load	i	
Lead Acid: 2	.4		
NiCd:1.51;	Li-ion: 3	3.65	
	Vdc		
	, o , o , o , o , o , o , o , o , o , o	ıt	
	lumner		
	Juniper		
	- 4		
Boost ,	Float		
22 - 28	.8 V (31	Ni-Cd)	
1.1 x I _n	1.1 x I _n A ± 5%		
3 A			
6 A			
9 A ma	х.		
6 A ma	x.		
rol) RTCON	N (cable	2)	
Push B	utton		
∞: staı	ndard		
5 min.:	Require	e SW	
21 – 22	21 – 22 Vdc batt		
	Vdc ba	tt	
19 – 20	vuc ba		
	vuc ba		
19 – 20	vuc ba		
19 – 20 Yes	vuc ba		
19 – 20 Yes Yes	vuc ba		
19 – 20 Yes	vuc ba		
19 – 20 Yes Yes Yes			
Yes Yes Yes Yes Max: DC1: 30		; AC1: 60	
Yes Yes Yes Max: DC1: 30 issive load)	Vdc 1 A		
Yes Yes Yes Yes Max: DC1: 30	Vdc 1 A	NO	
Yes Yes Yes Max: DC1: 30 issive load)	Vdc 1 A		
Yes Yes Yes Amax: DC1: 30 issive load) C	Vdc 1 A	NO	
Yes Yes Yes Yes One Max: DC1: 30 issive load) C C	Vdc 1 A	NO NO	
Yes Yes Yes Yes One Max: DC1: 30 issive load) C C RJ Tem	Vdc 1 A NC NC	NO NO	
Yes Yes Yes Yes One Max: DC1: 30 issive load) C C	Vdc 1 A NC NC p (cable	NO NO	
	10 A 24 Vdc 3 A ≥ 90 % ≤ 60 m 1 sec. (Yes, Ur 13 Yes Yes Yes (ty Yes Follow the C Lead Acid: 2 NiCd:1.51; Lead Acid: 2 NiCd:1.4; Li 15 h 1 min. 2 - 20 0; 3 A ± 5; 20 ÷ 10 Yes Yes by Yes ≤ 100 r 4 stage Boost / 22 - 28 1.1 x I _n 3 A 6 A 9 A ma 6 A ma 6 A ma 6 TCOI) Push B ∞: star 5 min.:	10 A 24 Vdc / 3A 3 A ≥ 90 % ≤ 60 mV _{pp} 1 sec. (max) Yes, Unlimited 13 Yes Yes Yes Yes (typ. 35 Vd Yes Follow the Out Load Lead Acid: 2.4 NiCd:1.51; Li-ion: 3 Lead Acid: 2.23;2.25 NiCd:1.4; Li-ion: 3.4 15 h 1 min. 2 - 20 Vdc 3 A ± 5% 20 ÷ 100 % / I _{bc} Yes Yes Yes by Jumper Yes Yes Yes Yes Yes Yes Yes Y	

All specifications are subject to change without notice