

Norms - Certifications - Conformity

This device complies with:

Electrical Safety Low Voltage Directive 2014/35/EU, 2014/35/UE as follows: EN60950-1, (UL60950-1, UL508, C22.2, EN60335-2-29, UL1236), EN IEC 62368-1:2014/AC:2015

EMC Emission EN55011 (CISPR11), EN55022 (CISPR22) Class B, EN61000-3-3

EMC Immunity EN61000-4-2,3,4,5,6,8,11

Fire Detection and fire alarm systems EN54-4

Charging cycle DIN41773

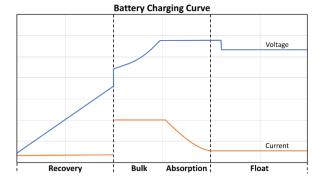
Battery Management

Rated Voltage Charging Curve 3 stages (IUoU) + Recovery 0.5 A / 5.0 A Charging Current setting (min/max) 1.0 A / 10.0 A Vented Lead, VRLA AGM lead, Battery Type, selectable by VRLA Gel lead, Li-Io, Li-PoFe, dipswitch Voltage max Boost Voltage 14.75 Vdc 29.50 Vdc 28.80 Vdc

14.4 Vdc Float Voltage, dip switch selectable According to battery type Recovery Charge 2-10 Vdc Low Voltage Disconnect (LVD) 9.3 Vdc Threshold Low Voltage Alarm Threshold 11 Vdc Time Boost–Bulk Charge (Typ. IN) min 5 s, max 15 h Temperature Compensation **External digital sensor**

Local dipswitch or Remote Link Boost voltage Enable/Disable Reverse Polarity, Disconnected Battery Protections Wrong Battery Voltage Sulphated Battery, Battery Diagnostics

Cell-In Short Circuit Life Test Automatic Every 2 h in Standby, Manual on Push Button



150 W - 12/24 V

DC-UPS, AC to DC uninterruptable power systems for critical DC loads with Data Link

All-in-One: Power supply + Battery charger + Back-up functions, all packaged in one box.

- Selectable Output Voltage, 12 Vdc or 24 Vdc
- Wide input voltage range AC and DC
- Load-first, Dynamic Load/Battery power sharing
- Adjustable maximum battery charging current
- Suitable for backup of high inrush current DC loads
- Buffer time setting of load backup
- Universal charging output, selectable Battery Type
- External digital sensor for Temperature compensation
- Manual Battery start-up button with no mains
- Battery life test, automatic or manual via push button
- Extensive BATTSafe battery management firmware
- Full set of protection and monitoring functions
- Local monitoring and diagnostics on LEDs
- Remote alarms via 3 voltage-free relay contacts
- Communication via MODbus data link

Features

Input

2-20 Vdc

18.5 Vdc

22 Vdc

Rated Input Voltage AC	115/270/255 Vac (see see OF 705 Vac)	
	115/230/277 Vac (range 85–305 Vac)	
Frequency Range	50/60 Hz (range 47–440 Hz)	
Input Current AC (Typ.)	1.6 A (115 Vac), 0.6 A (230 Vac)	
Rated Input Voltage DC	110/220 Vdc (range 110–420 Vdc)	
Input Current DC (Typ.)	1.5 (110 Vdc), 0.8 A (220 Vdc)	
Inrush Current (Typ. Cold Start)	15 A max	
Setup, Rise Time Max	1s	
Recommended External Fuse/MCB	6 A, curve C	
Load Output - Power Supply Mode - Mains		
Voltage, selectable by Dip Switch 1	12 Vdc	24 Vdc
Rated Current (I _R)	12 Vac	24 Vuc
		•
Ripple / Noise ²	80 mV _{pp}	100 mV _{pp}
Short Circuit Protection	yes	
Over Load Protection	Constant Current mode > 110% I _R	
Over Voltage Protection	35 Vdc	
Load Output - Standby Mode - Mains ON &	Battery ON	
Voltage Range, Automatic Set 1	12-14.4 Vdc	24-28.8 Vdc
Max Continuous Current (I _R +I _{BATT})	15 A	10 A
Max Current for 30 s	17 A	15 A
Max Current for 15 s	20 A	20 A
Max Current for 5 s	< 25 A	< 25 A
		< 25 A
Load Output - Backup Mode - Mains OFF &		18.5-24 Vdc
Voltage Range, Automatic Set 1	9.5–12 Vdc	
Max Continuous Current (IR+IBATT)	15 A	10 A
Max Current for 30 s	17 A	15 A
Max Current for 15 s	20 A	20 A
Max Current for 5 s	< 25 A	< 25 A
Time Buffering for Backup	30 s up to ∞	
Start from battery with no mains	Yes, on Push Button	
Quiescent current	< 90 mA	
Signal Output/Input		
Standby / Backup	Change-over relay o	ontact, M terminals
Common Fault	Change-over relay contact, F terminals	
Rectifier failure	Change-over relay contact, S terminals	
Fullset of monitor and alarm LED signals	Flashing code on 3, Three-color LEDs	
MODbus / CANbus data link	Dual RJ45 connector	
Climatic Data	Duai RJ45	connector
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Operating Ambient Temperature (T _A)	−25 up to +70 °C	
Relative Humidity, no condensation@25°C	max 95%	
Storage Temperature	-40 up to +85 °C	
Cooling	Natural Convection	
General Data		
Efficiency (Typ.)	>90%	>92 %
Temperature Derating Factor 1	2.5 %/°C , T _A > 50°C	
Altitude Derating Factor 1	0.5°C/100 m, above 2000 m	
Insulation Voltage (In/Out)	4 kVac	
Insulation Voltage (In/PE)	2 kVac	
Insulation Voltage (Out/PE)	500 Vdc	
Insulation Resistance (500 V)	> 100 ΜΩ	
Protection Class (EN/IEC 60529)	IP 20	
Pollution Degree Environment	1P 20 2	
	2 60 x 130 x 126 mm	
Dimensions (W x H x D)	60 x 130 x 126 mm 0.75 kg	
Weight	0.75	кд
Commercial Data		
Weight per unit, including packing	0.8	
Dimensions per unit, including packing	65 x 138 x	c 134 mm

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0.0012 m³

85044055 Italy

Custom Tarif HS

Country of origin

Volume per unit, including packing