RIPEENERGY
The Power Conversion Company

TRIPLE OUTPUT DC UPS 150W

In normal operation, the charger-rectifier supplies the permanent consumption of the installation and keeps the battery charged at nominal floating voltage. When main power fails, the battery keeps the output voltage. When main power comes, the rectifier-charger automatically returns to its initial condition. In this state, the product is able to fully charge the battery (in around 14 hours, if battery is fully discharged) while supplying the permanent consumption of the loads. No manual actuation (local or remote) is needed throughout this process.

When there is no battery but AC input voltage is connected, the rectifier-charger is able to perform, at least, one automated cutting element with the rest of equipment connected, including remote control and communications equipment.

If for some reason, the batteries are disconnected (flat batteries, etc), a reconnection can be forced locally even when there is no AC power on the input. If cutting-off conditions persist, the equipment will go off again.

When there is no battery, the output voltage is the floating voltage.
The layout of the different elements of the equipment allows its easy monitoring and replacement. Maintenance is simple, not requiring to remove parts of the equipment, for example, to change fuses.

RC — Monitoring and configuration via Ethernet

Convection cooling (no fan)

HF — High frequency technology

Light weight, compact size

Full electronic protection

Extended temperature range

APPLICATIONS

- Marine / Automotive / RV
- Electric Utilities and Substations
- Telecom Power Plants
- Manufacturing Locations
- Steel Mills
- Military Applications (COTS)
- Industrial Controls
- OEM Applications

FEATURES

- Output voltage 13.6, 48 & 48VDC
- Output power 150W
- Full operation without need of battery
- Local monitoring with 8 LEDs
- Remote monitoring with 4 alarm relays
- Monitoring and configuration via Ethernet
- Embedded WEB server
- Battery capacity test without heat dissipation
- Operating Temperature -10 to +60°C
- Overload protection by current limiting
- Overload protection on the battery by accessible fuse
- Input overcurrents protection due to failure of equipment or input overvoltage, by accessible fuse on the frontal.
- Reverse battery polarity protection
- Compact size, light weight

SPECIFICATIONS

Input voltage	230VAC -20%...+15%		
Frequency range	47 ... 63Hz		
Inrush current	< 12A		
Power factor	> 0.6		
Output voltage	13.6VDC	48VDC	48VDC
Maximum continuous current (Io)	16A	2.2A	0.83A
Maximum peak current (10s)	25A	5.2A	0.83A
Line regulation	0.1%	0.1%	0.1%
Output regulation	8.5...18V Battery low cut off voltage	±1	±1
Ripple	50mVpp	100mVpp	100mVpp
Noise (20MHz BW)	100mVpp	200mVpp	200mVpp
Total output power	150W		
Total output peak power (Po)	250W		
Battery type	Sealed Lead-Acid		
Nominal battery voltage	12V		
Battery capacity	38Ah		
Maximum charging current	15.7A (adjustable)		
Battery consumption in stand-by	< 0.5mA		
Storage temperature	-40 ... 85 °C		
Operating temperature	-25 ... 60 °C		
Cooling	Self convection		
Indicators	Local monitoring with 8 LEDs		
Control	Monitoring and configuration via RJ45/Ethernet Protocols TCP/IP, DHCP, ICMP, HTTP, SNTP, LDAP		
EMI	UNE EN 55 022 Class A for 48Vdc terminals UNE EN 55 022 Class B for AC input power terminals		
Dimension	265.5 x 115 x 90.2mm		
Weight	1.3 kg		
Connections	Mains Input connection BLZP 5.08HC/02/180F Output and Ground BLZP 5.08HC/06/180F Alarms connection PHOENIX MC 1.5/5-ST-3.8		
RoHS compliance	Fully compliant		
Warranty	2 years		

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