



SINGLE OUTPUT DC UPS 120W

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.

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 48VDC
- Output power 120W
- 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



Monitoring and configuration via Ethernet



Convection cooling (no fan)



High frequency technology



Light weight, compact size



Full electronic protection



Extended temperature range

SPECIFICATIONS

Input voltage	230VAC -15%...+20%
Frequency range	47 ... 63Hz
Inrush current	< 12A
Power factor	> 0.6
Output voltage	48VDC
Maximum continuous current (Io)	3A
Maximum peak current (10s)	4.6A
Line regulation	0.1%
Output regulation	39(*)...60V (*) Battery low cut off voltage
Ripple	50mVpp
Noise (20MHz BW)	100mVpp
Total output power	120W
Total output peak power (Po)	180W
Battery type	Sealed Lead-Acid
Nominal battery voltage	48V
Battery capacity	1Ah - 15Ah
Maximum charging current	3.07A (adjustable)
Battery consumption in stand-by	< 0.25mA
Storage temperature	-40 ... 85 °C
Operating temperature	-10 ... 60 °C
Cooling	Self convection
Indicators	Local monitoring with 8 LEDs
Control	Monitoring and configuration via RJ45/Ethernet Protocols TCP/IP, DHCP, ICMP, HTTP, SNMP, LDAP
EMI	UNE EN 55 022 Class A for 48Vdc terminals UNE EN 55 022 Class B for AC input power terminals
Dimension	247 x 115 x 115mm
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

