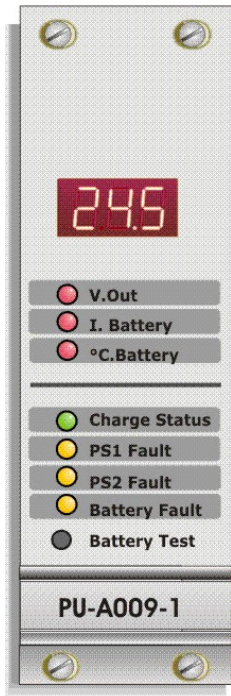


PU-A0009-1

Battery Charger - Drawer Type

This is a UPS converter, which can control and charge two 12VDC (24VDC) batteries having a maximum capacity of 120Ah.



The batteries are charged separately from the load and, in case of main supply fault or failure, they are immediately switched on to the load.

When main supply is restored, the battery charger disconnects the batteries and recharges them, adjusting current according to temperature.

In normal conditions, the batteries are subject to trickle charging and are checked for presence every 30 seconds. Complete testing occurs every hour to verify battery efficiency and connections.



General Characteristics

Input voltage	22-28 VDC
Maximum current	7 A
Operating temperature	-5 to +50 °C (in open air)
Relative humidity	93% (non-condensing)
Efficiency	> 83%
Protection	IP20
Dimensions	128 mm x 40 mm x 250 mm
Self-extinguishing	UL94V2
VBAT voltage	26.2 to 28.7 VDC (automatically compensated)
VBAT current	4/6 A (selectable through dip switches)
VBAT ripple	< 100mV pK-pK at maximum current
Hold-up time on main supply failure	20 ms at maximum current (with PU-A0005)
Maximum battery current	120 Ah

Protection

Current to batteries	automatically limited
Current to load	50A fuse
Other	over-voltage, short-circuit, battery polarity reversal
Low battery	when voltage is 18 VDC, batteries are automatically disconnected from the load

Reference Standards

Product	EN 54-4:1997
CPD Directive	EN 54-4/A2:2006 (CPD requirements)
CE marking	EN50081-2 & EN50082-2 (industrial environment)

**CERTIFIED IN ACCORDANCE WITH EN54-4
A2:2006
(C.P.D. requirements)**

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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