Product specification Power supply with accupack (DC-UPS):LDR8024-RS



Application

The **buffered power supply unit LDR80-RS** provides your system with power and protects it from power failures at the same time.

During mains operation and in emergency mode, an output current of **10.0A** can be drawn **permanently**, and even **up to 140% for a limited time**.

Remote monitoring and control via RS interface

Via the **RS-232/RS-485 interface**, the LDR provides status messages (e.g. on mains, overtemperature or battery status) and accepts settings or commands (e.g. Fuse mode, switch-off).

Operational principle

Before the LDR is used for the first time, the battery should be fully charged and then connected between the mains voltage and the system to provide it with a constant DC voltage. Your system is protected. If the mains fails, the system continues to be supplied by the **lead-gel batteries** installed in the LDR without any interference pulse. The LDR immediately provides the maximum output current. The supply duration depends on the load current of the system. The output voltage follows the battery voltage. After the mains supply returns, the batteries are recharged in parallel to normal operation. To compensate for selfdischarge losses, the LDR switches to charge retention of the battery when the end-of-charge voltage is reached. The output is short-circuit-proof and protected against polarity reversal.

Design

The internal power supply unit is fully encapsulated in an aluminium housing and is mounted on the wall with screws. An RS connection cable can be ordered as an accessory. The rechargeable batteries can be changed in a few simple steps if necessary.



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