

LMUPS-80-24V

Ruggedized Uninterruptible Power Supply

Input AC/DC

Output 24 V DC, 15 A

Description:

The LMUPS-80 Series is a high efficiency, DC power supply and battery charger that brings sophisticated features into a ruggedized design. The LMUPS-80 allows the battery charge to be regulated independently from the DC outputs, meaning that the battery will always receive the optimal charging current without the load being affected. Intelligent 3-stage charging will bring a battery back to a full state of charge much faster than trickle or float charging can.

In addition, the LMUPS-80 offers various functions like min. load disconnect, battery disconnect and external signal shutdown. Through the Battery-Parameter software adjustments at the UPS can be done via PC.



Features:

- 24 V DC UPS device
- Ruggedized design 3 RU height box
- Operates as a DC UPS, providing uninterrupted DC power
- Wide-ranging power factor corrected AC/DC input
- Battery hot swap
- Easy battery access - separate battery compartment

Specifications:

Power:

Input Voltage Range	176-242 V AC / 22-29 V DC
Output Voltage	24 V DC
Output voltage / on network operation / for DC / nominal value	24 V
Output voltage / in buffering mode / with DC / rated value	24 V
Voltage increase time / of the output voltage / typical	1 s 60 ms
Output current / nominal value	15 A
delivered active power / typ.	360 W
Active power loss / during battery operation / typical	15 W

Protection an monitoring

protection against reverse battery voltage polarity	Yes
protection against polarity reversal on input voltage	Yes

Mechanical:

Dimensions	430 x 275 x 3U ¹ mm (W x D x H)
Weight	8 kg
Protection degree	IP65
Interface	USB

Environmental:

Ambient temperature / in operation	-25...+60 °C
Ambient temperature / on transport	-40...+85 °C
Ambient temperature / in storage	-40...+85 °C

Note: 1) height might be changed according to battery size

Battery specification:**BATTERY MODULE 24 V/12 AH WITH SERVICE-FREE SEALED LEAD-ACID BATTERIES**

Ambient temperature:

- in operation -15...+50 °C
- on transport -20...+50 °C
- in storage -20...+50 °C

Relative, temporary capacity loss / at 20 °C / in a month / typical 3 %

Service life

Service life of lead-acid battery

- typical / note capacity falls to 50 % of original capacity
- at 20 °C / typical 4 A
- at 30 °C / typical 2 A
- at 40 °C / typical 1 A
- at 50 °C / typical 0.5 A

Ordering Code:**LMUPS-80-24V-AC/DC****Accessories:****Standard:**

- UPS unit, 2x battery
- Manual
- AC Power input cable
- DC Power input cable
- Rack Mount holders

Options:

- DC UPS output cable