



- Continuously adjustable charging current between 20mA ... 1,4A
- Automatic battery voltage detection
- Fully automatic charging function for 2 / 6 / 12V Lead batteries with voltage selector switch
- LCD display for charging current indication
- LED indication for "battery full" and "charging battery"
- Short-circuit and reverse-polarity protected output

The UNILADER battery charger is a special equipment developed for the need of workshops, model-builders or special applications where an intelligent charger is required.

Description

The UNILADER is suitable for charging all types of NiCd, NiMH and Lead batteries between 1,2 ... 12V DC. It detects the voltage of the connected battery and automatically adjusts its charging voltage accordingly. The charging current is continuously adjustable between 20mA and 1,4A. The actual charging current is shown on the LCD at the front side. Two LEDs indicate whether the battery is being charged (red LED lights) or it is fully charged (green LED lights). The output of UNILADER is short-circuit and reversed-polarity protected.

Fully automatic charging function

A fully automatic charging function is provided for 2 / 6 / 12V lead batteries. The electronics take control over the whole charging process; only the appropriate battery voltage has to be selected. The battery is monitored constantly and it can remain connected to the charger over an unlimited time. Its charging state is kept at the most suitable voltage level by switching the charging off upon reaching the max. charging voltage and switching the charging back again upon reaching the min. charging voltage. This prevents dangerous gas formation and overcharging.

When charging NiCd and NiMH batteries, the automatic charge function must be switched off.

Specifications

Mains voltage:	230V AC +6% / -10%
Mains frequency:	50 – 60Hz
Nominal power:	max. 40VA
Mains fuse:	T315mA/250V
Nominal charging voltage range:	1,2 ... 12V DC

Max. and min. charging voltage thresholds in automatic charging mode:

Max. charging voltage:	2,3 – 6,9 – 13,8V \pm 1,5%
Min. charging voltage:	2,1 – 6,3 – 12,8V \pm 2,5%

Charging current:	Continuously adjustable between 20mA ... 1,4A
Charging current indication:	3,5 digit LCD display
Accuracy:	2%
Operating temperature range:	0 ... +40 °C
Weight:	Approx. 1,5 kg
Dimensions (W × H × L):	110 × 70 × 155 mm
Low Voltage Directive (73/23/EEC)	EN60335-1 :09.94+A11 :05.95; EN60335-2-29 :02.91+A2 :04.93