



Battery charger with 12 volts power supply

YAL 1100

Battery charger with 12 volts power adapter YAL 1100

The model YAL 1100 combines a battery charger and a 12 volts power adapter in one housing.

The **battery charger** is designed to charge 12 volts starter batteries (lead-acid) with a capacity of 15 to 110 ampere hours (Ah).

Fields of application: cars, diesel-cars, vans, mobile homes, scooters, motorbikes, quads, motorboats, sailing boats, sporting aeroplanes, modelling, lawn mowers, and many others.

The **adapter** offers the possibility to operate mobile electric appliances, e.g. cool boxes, fans, compressors, vacuum cleaners, coffee machines with a power rating of up to 100 watts at the 230 volts mains supply. Consequently the 12 volts adapter YAL 1100 is in particular applied in the field of leisure, camping and long distance traffic.

The model YAL 1100 is serially furnished with a selector switch for 12 volts electric appliances with high or low power rating and charging of batteries with high or low capacities.

The model YAL 1100 is characterised by its shapely, impact- and acid resistant plastic housing. A device for winding up the power and battery cables is arranged on the backside of the casing.

The unit is available without charging function under the model name YA 1100 as well.

We will be pleased to assist you to select the appropriate unit.

Types and technical details

YAL 1100		
	Battery charger	Adapter
Mains voltage	230 V, 50 Hz	230 V, 50 Hz
Output voltage	12 volts	12 volts
Protection class	II	II
Charging characteristics	W acc. to DIN 41 772	-
Selector switch setting	15 Ah – 60 Ah	50 watts
Output current	6,0 A _{eff} / 4,0 A _{dc}	4,0 A _{dc}
Selector switch setting	25 Ah – 100 Ah	100 watts
Output current	11,0 A _{eff} / 7,0 A _{dc}	7,0 A _{dc}

Application of the 12 volts power adapter

In order to utilise the unit as 12 volts power adapter the mobile electric appliances have to be plugged into the 12 volt socket of the adapter. Then the adapter is connected to mains.

The 12 volts power adapter provides a save, smoothed 12 volts DC power supply. By means of a switch two power levels - 50 watts or 100 watts - can be selected.

Application of the battery charger

In order to utilise the unit as battery charger the battery clips have to be connected to the battery. Then the battery charger has to be linked to mains. By means of a selector switch the charger can be adjusted to the battery capacity optimally.

Indications

A yellow LED indicates that battery charging is in progress or a 12 volt electric appliance is connected.

A green LED indicates the end of the charging process. A red LED warns against malfunction of the unit.

Protection and safety

For both applications the device is protected against overload and reverse polarity connection of the battery clips and the cigarette lighter plug. This protection is achieved alternatively by a replaceable 15A flat fuse or a circuit breaker.

The mains - safety transformers comply with the European norms. The transformers are protected against overload, overheating and

short circuit by a temperature- and current sensitive component. After cooling down of the transformer and disconnecting from mains the component is set back automatically; the charger is fully operational again.

In addition the charger is equipped with fully insulated battery clips.

Certification

adamy - battery charges with 12 volts power adapter comply with European norms and are marked CE.