



Fully automatic battery chargers

Fully automatic Battery Chargers of the YE series

The fully automatic Battery Chargers of the YE series are – depending on the type – designed for charging of 12 volts batteries (lead-acid) with a capacity of 2 to 120 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 units are serially furnished with two selector switches for charging of car or motorbike batteries and charging of normal or maintenance free batteries.

The battery chargers of the YE-series are characterised by their 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 units can be left connected to the battery over a longer period of time (e.g. in winter). They are particularly suited for charging of Gel- and maintenance free batteries (SLA, VRSLA, AGP, GEL).

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

Please pay attention to our standard battery chargers of the YS, ZS and XS series.

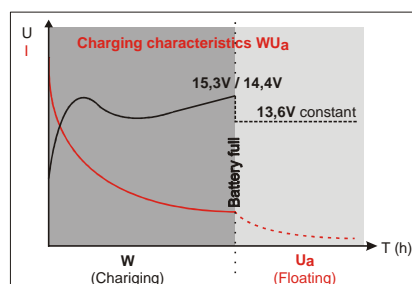
Types and technical details

	YE 800	YE 1000	YE 1200
Mains voltage	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Charging voltage	12 volts	12 volts	12 volts
Protection class	II	II	II
Charging characteristic	W acc. to DIN 41 772	W acc. to DIN 41 772	W acc. to DIN 41 772
With selector switch	Motorbike / Car	Motorbike / Car	Motorbike / Car
Charging current (eff)	3,5 A / 8,0 A	3,5 A / 10,0 A	3,5 A / 12,0 A
Battery capacities	5 Ah-20 Ah 20 Ah-80 Ah	5 Ah - 20 Ah 25 Ah-100 Ah	5 Ah - 20 Ah 30 Ah-120 Ah
Battery type	Normal	Normal	Normal
Threshold voltage	15,3 V	15,3 V	15,3 V
Battery type	Gel + sealed	Gel + sealed	Gel + sealed
Threshold voltage	14,4 V	14,4 V	14,4 V
Floating	13,6 V	13,6 V	13,6 V

Indication of the charging level

The charging process is displayed by means of two LEDs. A yellow LED indicates that battery charging is in progress. A green LED indicates the end of the charging process and floating (maintenance charging). A second, green LED indicates that the charger is operational.

Floating (maintenance charging)



After the battery is charged by 100% an automatic change to floating at a constant voltage of 13.6 volts takes place.

Drawing of energy from the battery during maintenance charging automatically switches back to normal charging.

Protection against reverse polarity and short circuit

The battery clips remain voltage-free until correctly connected to the battery. Only now charging begins. Thus a short circuit or sparks at the battery clips are not possible. In addition a red LED warns against reverse polarity connection of the battery clips. Alternatively a buzzer can be furnished to warn against reverse polarity.

Protection and safety

The battery chargers are protected against overload. 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 all chargers are equipped with fully insulated battery clips.

Certification

adamy® battery chargers comply with the European Norms and are approved by all European testing laboratories with European and national test marks.