



Fully automatic battery chargers

XE series

Fully automatic Battery Chargers of XE series

The fully automatic battery chargers of the XE 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 a selector switch for charging of car and motorbike batteries.

The battery chargers of the XE-series are supplied in the classic, robust metal casing with non-slip rubber feet and a handle. If desired 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

	XE 800	XE 1000	XE 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	WU _a acc. to DIN 41 772	WU _a acc. to DIN 41 772	WU _a acc. to DIN 41 772
With selector switch	Car	Car	Car
Charging current (eff)	8,0 A	10,0 A	12,0 A
Battery capacities	20 Ah-80 Ah	25 Ah-100 Ah	30 Ah-120 Ah
With selector switch	Motorbike	Motorbike	Motorbike
Charging current (eff)	3,5 A	3,5 A	3,5 A
Battery capacities	5 Ah-20 Ah	5 Ah-20 Ah	5 Ah-20 Ah

Battery tester

The state of charge (SOC) is displayed by two LEDs. A green LED indicates that the battery is fully charged. A yellow LED recommends to charge the battery.

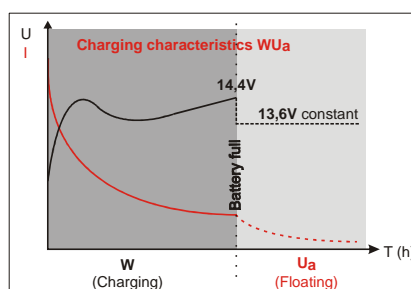
Indication of the charging level

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 of the XE series are protected against overload by an integrated, electronic component.

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.