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Email : Scheiber@wanadoo.frInternet : <http://www.scheiber.fr>**30.65100.83 BIP- CHARGER IU 10 A with fuses.**

WE THANK YOU FOR THE PURCHASE OF THIS PRODUCT
AND HOPE THAT IT WILL FULFIL YOUR NEEDS.

Please read these installation and operating instructions through before connecting and using the BIP charger.

Considering the warnings noted in this booklet, the manufacturer will not held to be liable in case of damages caused to people or goods, when they occur following to incorrect uses.

PLEASE KEEP THESE INSTRUCTIONS CAREFULLY

This booklet describes how to settle and use the BIP – Charger.

The charger must only be used for the purpose specified by the manufacturer

After unpacking the charger, please ensure that it is complete and in good state. When in doubt, make it check by someone with the required qualification.

Do not let packing within reach of children or of non-responsible persons.

These BIP chargers are of Class I .

Summary :

- I GENERAL SAFETY AND INSTALLATION INFORMATION
- II WIRING
- III INSTALLATION AND PUTTING INTO OPERATION
- IV MAINTENANCE
- V TECHNICAL DATE
- VI OPTION.

I GENERAL SAFETY AND INSTALLATION INFORMATION

BE CAREFUL : Always disconnect the charger from 230V main before any operation.

It must be settled and fixed (see chapter « installation and putting into operation »).

Disconnect the supply before connecting or disconnecting the battery.

Do not use the charger when box or wires are damaged

The charger must not be operated in a damp or wet environment.

WARNINGS : During the battery charge avoid flames and sparks , and ensure a good ventilation during the charge. Explosive gas.

Use the charger inside or do not expose it to the rain.

- when replacing an output fuse comply with the caliber given in data..

II ABOUT THE CABLES

- if cables have to be inserted through metall walls use a cable duct or cable bushes,
- do not lay cables loose or with sharp bends on electrically conductive materials,
- do not lay together 230V mains and 12V DC cables in the same cable duct,
- the specified minimum cable cross-section must be complied with (see chapter « cable section »),
- secure cables properly,
- lay cables in a such way that they are not exposed to the risk of damage,
- for disconnecting the device set the mains switch to « OFF » and unplug from the mains. It must always be within hand reach.
- when 230V supply wire is damaged, it must be replaced by our after sales department or by a person having the required qualifications.

CABLES SECTIONS

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- if wires length there and back (+ and -) is inferior to 10 meters ; then wires section has to be 2,5mm².
- If wires length there and back (+ and -) is between 10 and 20 meters ; then wires section has to be 4mm².

The mounting of a magneto-thermic circuit breaker is necessary to protect the 230V supplying.

III INSTALLATION AND PUTTING INTO OPERATION

The charger must be installed in a well-ventilated location (minimum 15 cm on each side and 10 cm on the top) and must not be covered.
The charger has 4 fixing holes.



First connect the battery clamp not bound (+) to the frame of the vehicle (earth).
Then connect, the other clamp to frame far from the battery and far from the combustible pipe.
At last, the battery charger have to be connected to the mains.

Functionning of the indicator :

- Indicator on : charger on.

IV MAINTENANCE**BE CAREFUL :**

- If replacing a fuse, comply with the calibers given in the technical data. Any other value may damage the charger.
- Do not use the charger to charge some cells
- During the charge lead-batteries have to be in a well-ventilated location
- Only connect the charger in a main socket with earth.
- You **MUST** connect the input clamp « earth » in a such way to ensure a continuity of people protection by the differential of the plug on which the vehicle is connected (in case of bad insulation of one of the equipment connected to the BIP 230V uses); for this purpose use the terminal delivered with the accessories)
- If cables are modified and cable-grips cutted, once new wiring is finished you must change the cable-grips
- Regularly check that connections are in good state (well screwed) otherwise it can entail an overheating of the terminals

V TECHNICAL DATA :

Model	30.63351.83
Mains input voltage range and frequenz	230V 50-60 Hz
Maximum consumption on mains	1 A
Maximum charging current	10A
Constant voltage at the end of charging	13,7V +/- 0,1V
Caliber of fuse 0	5 A
Caliber of fuse 1	7,5 A
Caliber of fuse 2	10 A
Caliber of fuse 3	3 A
Caliber of fuse 4	15 A
Accepted batteries	Rechargeable 12V batteries gelified or free electrolytes
Recommended batteries capacity	70 to 105 Ah
Size	205 x 205 x 105 mm
Weight	3,5 kg
Box	Fireproof and self-extinguishing ABS
Operating temperature range	Maximum ambient temperature 35 °C Transformer protected by thermic circuit-breaker.

PARTICULARITIES :

This model of charger do not supply any current, nor gives any voltage to its terminal as long as it is not connected to a battery whose voltage is minimum 8V. This charging system enables lo let the vehicle permanently connected to 230V supplying source. But you have to check regularly batteries' level of electrolyt. In fact, the chemical phenomenon generated by the charge entails water consumption more or less important according to batteries' state and technology.

