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30.65100.84 BIP- CHARGER IU 10 A with fuses.

With the BIP charger (box for Interconnection and Protection) you can charge a battery. At the same time, the product supplies the 12V uses through the battery and the 230 V circuits.

Please read these instructions before connecting and using the BIP charger. Considering the warnings mentioned in this booklet, the manufacturer could not be held responsible of damages caused to people or goods due 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 make sure that it is complete and in good state. If you have doubts, make it check by someone with the required qualifications.

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

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I GENERAL SAFETY AND INSTALLATION INFORMATION

BE CAREFUL: Always disconnect the charger from the 230V 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 case 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 make sure that it is placed in a good ventilated place 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 calibre given in the data.

In case of an installation of the product within a caravan, the connections on the mains have to be done according the rules of the country.

II ABOUT THE CABLES

- If cables have to be inserted through metal walls, use a cable duct or cable bushes.
- Do not lay wires 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,
- To disconnect the device, turn « OFF » the mains and unplug the product. It must always be within hand reach.
- When the 230V supply wire is damaged, it must be replaced by our after sales department or by someone with the required qualifications.

CABLES SECTIONS**I
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- If wires' length there and back (+ and -) is inferior to 10 meters, then the wires' section must 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.

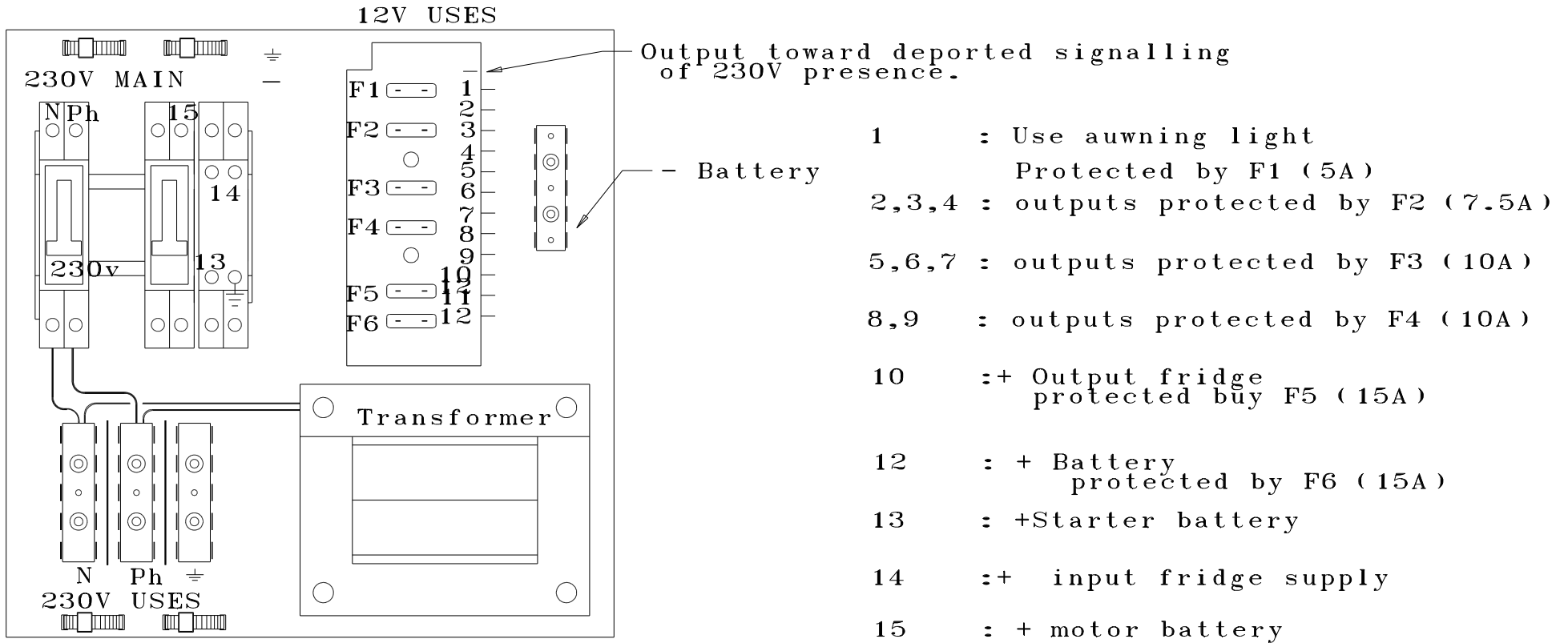
III INSTALLATION AND PUTTING INTO OPERATION

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 on the rear part.

The connection for the uses and for the battery on the charger is made by FASTON terminals.

The connection of the 230V goes to the circuit breaker.



The clamp + has to be connected first to the battery.

Functioning of the indicator : indicator on : charger on.

IV MAINTENANCE

BE CAREFUL :

- If you replace a fuse, comply with the calibres 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 such a 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 lead to an overheating of the terminals.

V TECHNICAL DATA :

Model	30.65100.84
Mains input voltage range and frequency	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
Number of uses 230V outputs	8
Number of uses outputs 12V	9
Number of spaces for circuits breakers	4
Calibre of fuse 1	5 A
Calibre of fuse 2	7,5 A
Calibre of fuse 3	10 A
Calibre of fuse 4	10 A
Calibre of fuse 5	15 A
Calibre of fuse 6	15 A
Accepted batteries	Rechargeable 12V gel batteries 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 termic circuit-breaker.

SPECIFICATIONS:

This BIP-charger is part of class II.

IU Charge type :

