

SCHEIBER SA
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technical department
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CHARGER IN BIP BOX

We strongly advise you to read carefully the following instructions for use before connecting this equipment.

CHARACTERISTICS :

MODEL	12 V 5 A		12 V 10 A		12 V 15 A	
	633154	633158	633514	633518	633144	633148
	no fuse	with fuses	no fuse	with fuses	no fuse	with fuses
Supplying voltage	230 V 50-60 Hz					
max consumption on mains	0,46 A		1 A		1,2 A	
max charging current	5 A		10 A		15 A	
end of charge cutting voltage	14,3 V ± 0,1 V					
engaging charge voltage	12,8 V ± 0,1 V					
Fuse 1 caliber	no F.	5 A	no F.	17,5 A	no F.	17,5 A
Fuse 2 caliber	no F.	5 A	no F.	17,5 A	no F.	17,5 A
Fuse 3 caliber	no F.	5 A	no F.	17,5 A	no F.	17,5 A
Fuse 4 caliber	no F.	5 A	no F.	17,5 A	no F.	17,5 A
Fuse 5 caliber	no F.	5 A	no F.	17,5 A	no F.	17,5 A
Fuse 6 caliber	no F.	17,5 A	no F.	10 A	no F.	10 A
accepted batteries	lead rechargeable 12V batteries (Pb) (6 units of 2V) at free or gelified electrolyt					
admissible capacity	35 à 60 Ah		70 à 105 Ah		110 à 180 Ah	
size	205 x 205 x 105 mm				205x205x105	
					+ transfo : 150x120x100	
weight	2,3 kg		3,5 kg		1,5kg+T4,2kg	
Box's material	fire-proofed, self extinguishing ABS					
max temperature for use	max ambient temperature 35°C (transformer protected by thermic circuit-breaker)					
LICENCE	according to norm NF EN 60335-2-29		licenced NF EN 60335-2-29		according to norm NF EN 60335-2-29	

PARTICULARITIES :

This model of charger do not supply any current, nor gives any voltage to its terminals as long as it is not connected to a battery whose voltage is minimum 8V. This charging system enables to 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.

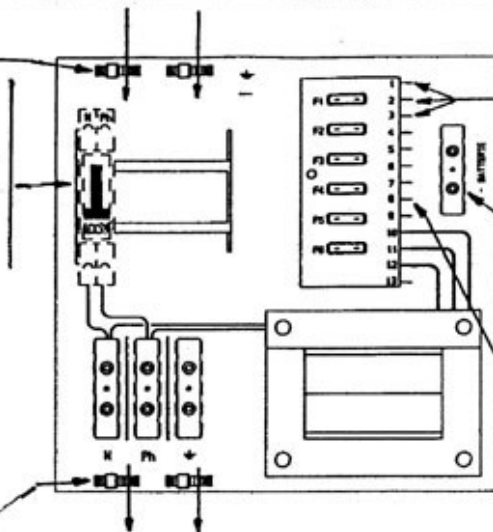
CONNECTION - PRECAUTIONS FOR USE :

input 230V mains neutral, phase and ground (1)

cable-grips (2)

protected by modular unit (max 4 elements)) to choose according to norms in rules in the country using them

cable-grips (2)



connection of "+" auxiliary battery

connection of "-" auxiliary battery and of "-" polarities of the equipments to supply

connection of "+" polarities of the equipments to supply

230 V uses, neutral, phase and ground

ATTRIBUTION FOR CLAMPS 1 to 13 :

- 1, 2, 3 : auxiliary battery inputs (1 is not used on models with fuses)
- 4 : use output protected by F1 (3)(option on models without fuse) (3)
- 5, 6, 7 : use output protected by fuse (3) (not used on model without 8 and 9 fuse) : 5 protected by F2, 6 by F3, 7 by F4, 8 by F5, 9 by F6 (3)
- 10, 11, 12: connection for inside SCHEIBER's transformer (red wire connected to 10)
- 13 : output toward deported signalling of 230V presence

(1) **BE CAREFUL** : The connection of the input terminal "ground" is **OBLIGATORY** in order that, in case of bad insulation of the equipments connected on BIP230V, people remains continuously protected by the differential of the plug on which the vehicle is connected (use the terminal given in accessory)

(2) **BE CAREFUL** : When wiring is changed and cable-grips cutted, once new wiring is finished you must **NECESSARY** replaced cable-grips.

(3) **BE CAREFUL** : when changing an output fuse, please respect the calibers given above.

WARNINGS :

- during the battery recharge, explosive gas are given. Avoid flames and sparks near the battery,
- disconnect the supply of the charger, before connecting or disconnecting the battery plugs.
- do not try to charge cell or any other non-rechargeable battery.