



CRISTEC

o n - b o a r d e n e r g y



CPS battery chargers

12V/06A, 12V/10A, 24V/03A & 24V/05A

Input range : small models



Presentation

Compact, lightweight and aesthetic, CRISTEC CPS (Selective Programmable Charge) chargers offer you all the safety and convenience that advanced technology in the battery charging area can bring you.

⦿ CPS Chargers... Autonomy.

The whole CPS range provides a specific charge to the battery which is fully compliant with all of the battery manufacturer's specifications.

Entirely automatic, with built in charge distributor, these chargers can remain permanently connected to the battery in complete safety and do not have to be disconnected when starting the engine.

⦿ CPS Chargers... Performance.

The timed boost function may be selected depending on the charger mode of use.

⦿ CPS Chargers... Protection.

The equipment is protected against polarity reversal and short-circuits; the entire CRISTEC CPS range is protected for marine use.

Electrical specifications

› Voltage, frequency

- › Input voltage: 115 or 230 Vac \pm 15% by internal switch.
- › Automatic input frequency from 47 to 63 Hz.
- › Output voltage (depending on particular model):
12 or 24 Vdc \pm 1%.
- › Internal potentiometer allows output voltage to be adjusted.

› Charge

- › Three automatic charge cycles: boost, absorption, floating.
- › Programmable timed boost by internal dip switch.
- › Charge distributor incorporated into each battery output (2 outputs).
- › Selecting of the level of charge according to the type of battery by internal dip switch (Lead/Antimony ; Lead/Calcium).
- › Front display: LED for mains present and LED for charge status (boost/absorption, intermittent, floating, continuous).

› Protection

- › Integrated protection against short-circuits and polarity reversal.
- › Removable fuses on input and output.

› Environnement

- › Natural convection.
- › Operating temperature: - 10 to + 40°C.
- › Storage temperature: - 20 to + 70°C.

› Features

- › Suitable for use with AC generators.
- › Can be used as a DC regulated and filtered power supply.

Standards

- › CE standards: EN 50081-1, EN 50082-1, EN 55011, EN 55022, EN 60950.

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› 3 year
guarantee



Mechanical characteristics

- › Standard presentation in IP22 case with drip-proof cover.
- › Epoxy finish matt black RAL 9011 and grey RAL 7035, salt atmosphere resistant.
- › Electronics card given tropicalised coating after mounting components.
- › Water-repellent varnish.
- › Supplied with mains cable and 230Vac plug.
- › Connection terminals to allow a direct cabling of the battery cables (-,+,:) without opening the charger.

| Voltage/current | Number of outputs | Item ref. no | Overall dimensions casing (h x w x d) | Weight |
|-----------------|-------------------|--------------|---------------------------------------|--------|
| 12V/06A | 2 | CPS70-1A | 160x215x80mm | 1,6kg |
| 12V/10A | 2 | CPS120-1A | 160x215x80mm | 1,7kg |
| 24V/03A | 2 | CPS70-2A | 160x215x80mm | 1,6kg |
| 24V/05A | 2 | CPS120-2A | 160x215x80mm | 1,7kg |

We reserve the right to make modifications to the specification without prior notice. Please consult us.