



## SHORE-POWER UNITS

### YPOWER Range



#### PRESENTATION

The new CRISTEC shore-power units integrate in a single cabinet the AC circuit protection and an automatic battery charger.

- ◆ The complete system meets the European on-going rules. Compact and lightweight, it provides practical entry for the cabling that reduces mounting time.
- ◆ The AC circuit protection is insured by a 16A/30mA residual current device (RCD/GFCI Ground fault circuit interrupter) and 2, 3 or 4 off 10A DPN miniature circuit breakers (MCB) depending on models.
- ◆ The battery charger function is ensured by an HF switch mode CRISTEC PCB stemming from the latest YPOWER generation that delivers a smart 5 stage charging profile.

#### GENERAL CHARACTERISTICS

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  - INPUT VOLTAGE : 115<sup>(1)</sup>/230VAC +/-15% automatic
  - INPUT FREQUENCY : 50/60Hz<sup>(1)</sup>
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  - FRONT COVER DISPLAY :
    - green LED for AC input presence
    - 1 dual colour LED for charger state
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  - AC INPUT CABLING : WAGO-WINSTA 3 pins connector
  - OUTPUT CABLING : terminal through pass wire
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  - EXTERNAL FIXINGS
  - NATURAL COOLING (NO FAN)
  - OPERATING TEMPERATURE : from -20°C to +40°C
  - PROTECTION FACTOR : IP20
  - PROTECTIVE COATING :
    - Matt black RAL 9011 and grey RAL 7035, salt atmosphere resistant
  - OPTIONS :
    - Remote digital display and temperature probe
    - Remote colour tactile display - Item code YPO-DISPLAY-R
    - 2.8m Temperature probe - Item code STP-NEW-2.8

#### STANDARDS

- CE standards : NF EN 61000-6-1, NF EN 61000-6-2, EN60950 & ISO 13297



(1) For use in 115VAC 60Hz, please contact us.





Selection of battery type and protection by removable fuses

## CHARGER CHARACTERISTICS



- Input voltage : from 90 to 265VAC (automatic)
- Input frequency : from 47 to 65Hz
- Output voltage : 12VDC +/-1%
- Three automatic charge cycles : Boost, Absorption, Floating (IUoU)
- Additional Refresh and Reboost selectable by internal switch
- Timed Boost by internal switch (ON/OFF)
- Charge distributor incorporated into each battery output
- 3 independant outputs - Specific output matched to the engine battery charging (+ BAT E)
- Selection of the curve of charge according to the battery type : AGM, Gel, Calcium Lead, Lead sealed, Lithium Ion Iron Phosphate, etc.
- Internal potentiometer allows output voltage to be adjusted
- Protection against short-circuit and polarity reversal (removable fuses on input and output)

MODEL	PART NUMBER	RECOMMENDED BATTERY BANK (Ah)	CHARGER CURRENT	CHARGER OUTPUTS	NUMBER OF 10A (Miniature Circuit Breaker)	WEIGHT (Kg)	DIMENSIONS L x h x d (mm)
12V/16A	UEYPO/12-16/2D	100-200	16A	3	2	4,4	389 x 214,5 x 137,2 mm
	UEYPO/12-16/3D				3		
	UEYPO/12-16/4D				4		
12V/25A	UEYPO/12-25/2D	200-300	25A	3	2	6	439 x 214,5 x 134,2 mm
	UEYPO/12-25/3D				3		
	UEYPO/12-25/4D				4		
12V/40A	UEYPO/12-40/3D	300-500	40A	3	3	6	439 x 214,5 x 134,2 mm
	UEYPO/12-40/4D				4		

Specifications may change without notice. Please contact us.

