

CENTAUR



Cargador de baterías Victron Energy Centaur



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Quality without compromise

Aluminium epoxy powder coated cases with drip shield and stainless steel fixings withstand the rigors of an adverse environment: heat, humidity and salt air.

Circuit boards are protected with an acrylic coating for maximum corrosion resistance.

Temperature sensors ensure that power components will always operate within specified limits, if needed by automatic reduction of output current under extreme environmental conditions.

Universal 90-265V AC input voltage range and also suitable for DC supply

All models will operate without any adjustment needed over a 90 to 265 Volt input voltage range, whether 50 Hz or 60 Hz. The chargers also accept a 90-400V DC supply.

Three outputs that each can supply the full output current

Three isolated outputs to simultaneously charge 3 battery banks. Each output is capable to supply the full rated current.

Three stage charging, with temperature compensation

The Victron Energy Centaur charges at bulk rate until the output has reduced to 70 % of the rated Amps, at which a 4 hour timer begins. After the timed period the charger switches to float rate. An internal temperature sensor is used to compensate the charge voltage with $-2 \text{ mV/}^\circ\text{C}$ ($-1 \text{ mV/}^\circ\text{F}$) per cell.

Voltage selector

A dip switch is available to select the optimum charge/float voltages for Flooded Lead-acid, Gel or AGM batteries.

SPECIFICATIONS

	12 / 20	12 / 30 24 / 16	12 / 40	12 / 50	12 / 60 24 / 30	12 / 80 24 / 40	12 / 100 24 / 60
Nominal output current	20 Amp	30 / 16 Amp	40 Amp	50 Amp	60 / 30 Amp	80 / 40 Amp	100 / 60 Amp
Temperature sensor	Internal, = 2 mV/°C per element						
Absorption battery voltage	14,3 / 28,5 Vdc ²						
Float battery voltage	13,5 / 27,0 Vdc ²						
Input voltage AC	90 - 265 Vac / 45-65 Hz, Power factor = 1						
Charge	IUoU (3-stages charger)						
Recommended battery capacity (Ah)	80 - 200	120 - 300 45 / 150	160 - 400	200 - 500	240 - 600 120 - 300	320 - 800 160-400	400 - 1000 240 - 600
Operating temperature range	- 20 to 60 °C						
Battery connection (studs)	M6	M6	M6	M8	M8	M8	M8
AC Connection	ScREW clamp 4 mm ²						
Dimensions	355 x 215 x 210			426 x 239 x 135		505 x 255 x 130	
Weight	3,8 kgr			5 Kgr		12 Kgr	
Warranty	2 years						

¹ Standard setting. Optimum charge/float voltages for Flooded Lead-acid, Gel-Cell or AGM batteries selectable by dip switch.

² Up to 40 °C (100 °F) ambient. Output will reduce to approximately 80 % of nominal at 50 °C and 60 % of nominal at 60 °C.

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CATÁLOGO GENERAL 2020

[Catalogo-Bornay-0520.pdf](#)

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