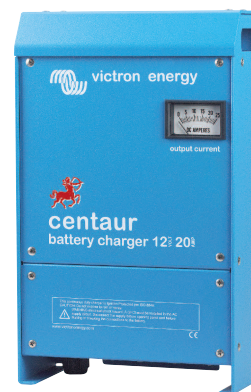


# Centaur Series

240-2400 WATTS THREE STEP CHARGER

## FEATURES

- Universal 90-265Vac input voltage range
- Three separate outputs supporting the full output current
- Three stage charger with temperature compensation
- Circuit boards are protected with acrylic coating
- Meets IP21 standard



## SPECIFICATIONS

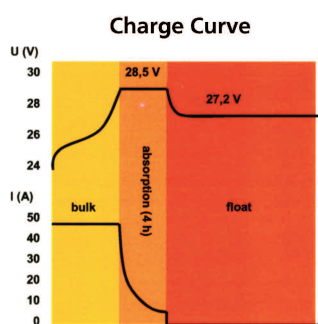
INPUT	
Voltage	90-265Vac, 45-65Hz, 90-400Vac
Power factor	1.0
AC connection	Screw-clamp 4mm <sup>2</sup> (AWG 6)
OUTPUT	
Voltage	See table.
Current	See table.
Charge voltage 'absorption'	14.3Vdc / 28.5Vdc. (Std. setting)
Charge voltage 'float'	13.5Vdc / 27.0Vdc. (Std. setting)
Output banks	3
Total output ammeter	Yes.
Charge characteristic	IUoU (Three stage charging)
Ignition protected	Yes.
Short circuit protection	Yes.
Over temperature protection	Yes.
Temperature sensor	Internal, -2mV/°C per cell.
ENVIRONMENTAL	
Operating temperature	-20°C to +60°C.
Humidity	95% max (non condensing).
GENERAL	
Cooling	Temperature and current controlled fan.
Protection category	IP21.
Material & colour	Aluminium (blue RAL 5012).
Optional features	-BMV-501 Battery monitor. -Battery alarm.
STANDARDS	
Safety	EN60335-2-29, UL1236.
Emission	EN55014, EN61000-3-2, EN61000-3-3.
Immunity	EN55014-2,
C-tick	AS/NZS CISPR11: Group 1, Class A.
MECHANICAL	
Size & Weight	12/20-12/30: 355 x 215 x 110mm, 3.8Kg 12/40-12/60, 24/30: 426 x 239 x 135mm, 5Kg 12/80-12/100, 24/40-24/60: 505 x 255 x 130mm, 12Kg 12/200, 24/80-24/100: 505 x 255 x 230mm, 16Kg

## SELECTION TABLE

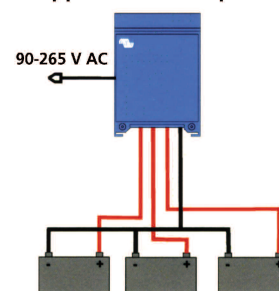
MODEL NUMBER	OUTPUT VOLTAGE(1)	OUTPUT CURRENT(2)	BATTERY CONNECTION	REC. BATT. SIZE
Centaur 12/20	14.3/13.5V	20A	M6 studs	80-200Ah
Centaur 12/30	14.3/13.5V	30A	M6 studs	120-300Ah
Centaur 24/16	28.5/27.0V	16A	M6 studs	45-150Ah
Centaur 12/40	14.3/13.5V	40A	M8 studs	160-400Ah
Centaur 12/50	14.3/13.5V	50A	M8 studs	200-500Ah
Centaur 12/60	14.3/13.5V	60A	M8 studs	240-600Ah
Centaur 24/30	28.5/27.0V	30A	M8 studs	120-300Ah
Centaur 12/80	14.3/13.5V	80A	M8 studs	320-800Ah
Centaur 24/40	28.5/27.0V	40A	M8 studs	160-400Ah
Centaur 12/100	14.3/13.5V	100A	M8 studs	400-1000Ah
Centaur 24/60	28.5/27.0V	60A	M8 studs	240-600Ah
Centaur 24/80	28.5/27.0V	80A	M8 studs	320-800Ah
Centaur 12/200	14.3/13.5V	200A	M8 studs	800-2000Ah
Centaur 24/100	28.5/27.0V	100A	M8 studs	400-1000Ah

### Note:

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 ambient. Output will reduce to approximately 80% of nominal at 50°C and 60% of nominal 60°C.



### Application Example

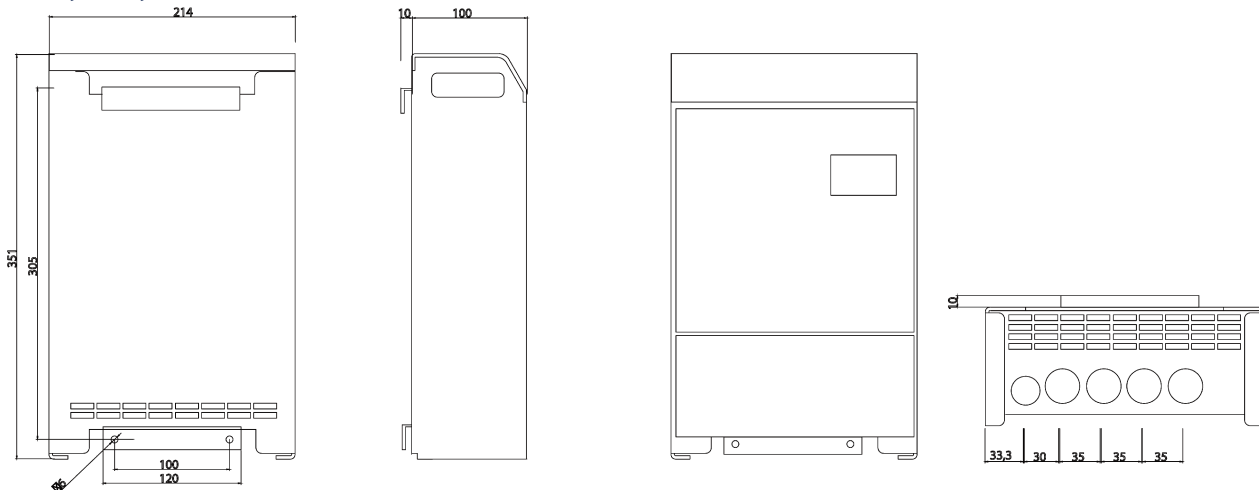


# Centaur Series

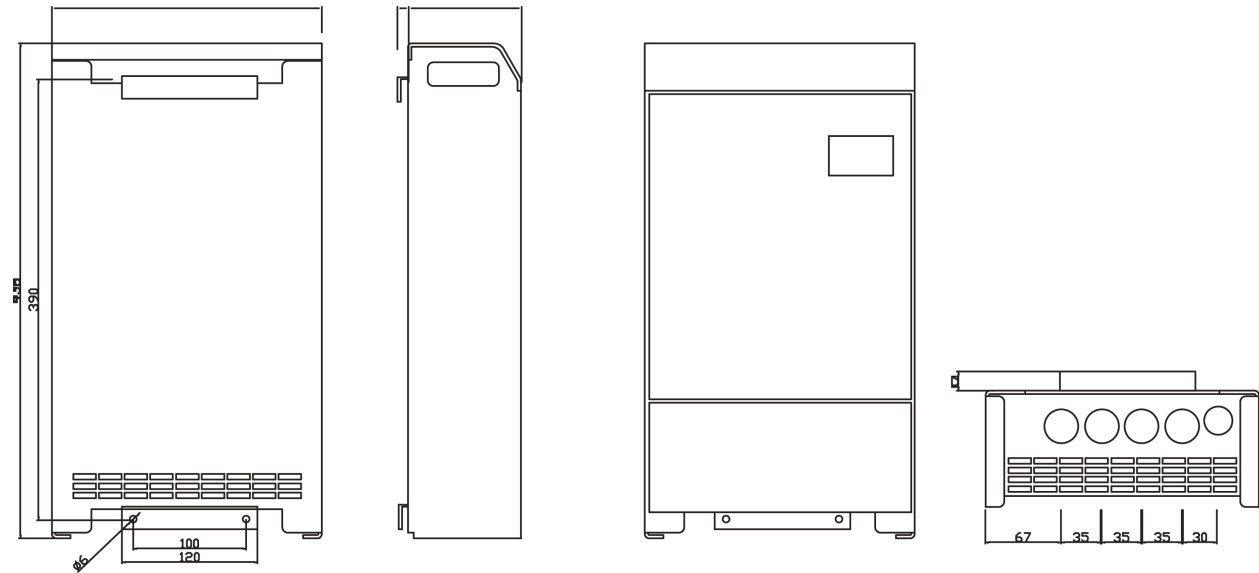
400-2400 WATTS THREE STEP CHARGER

## TECHNICAL ILLUSTRATION

12/20, 12/30, 24/16



12/40, 12/50, 12/60, 24/30



12/80, 12/100, 12/200, 24/40, 24/80, 24/100

