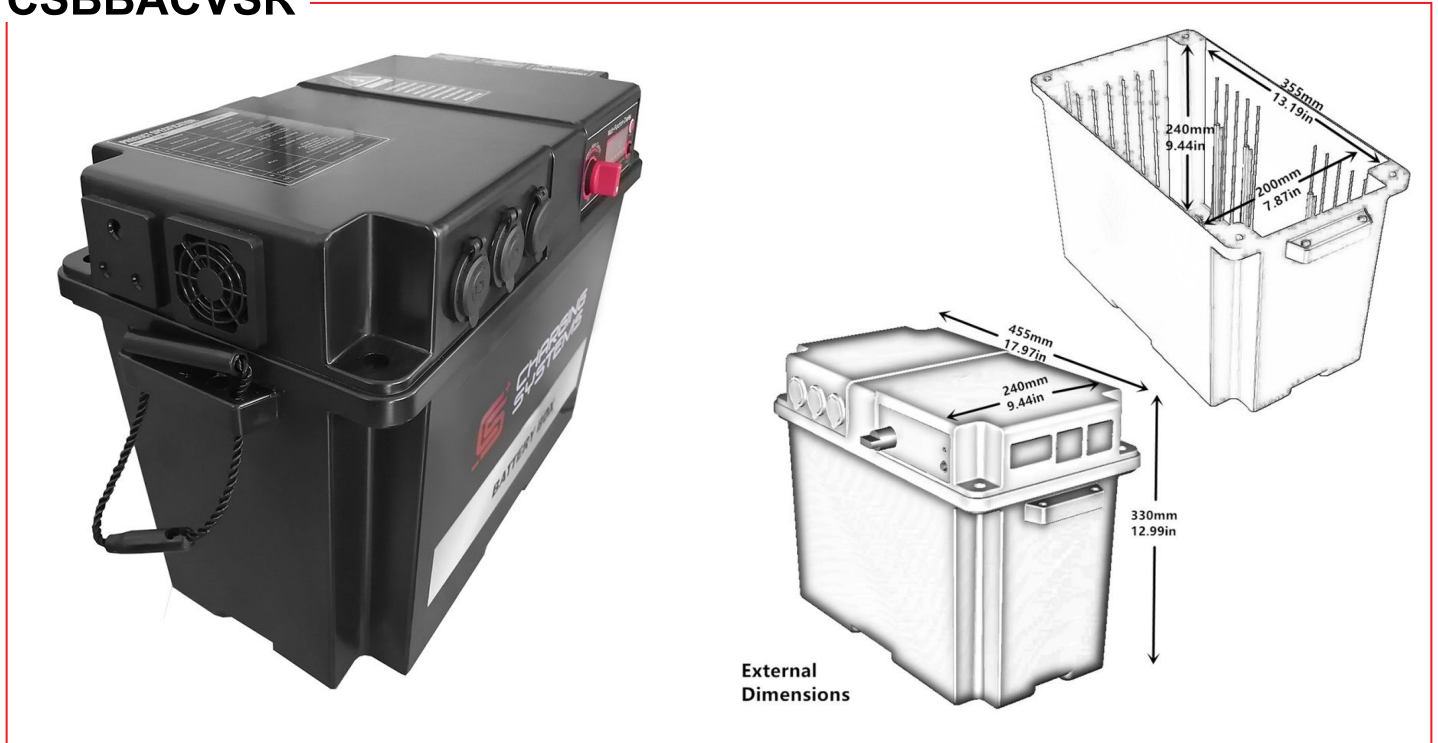


CSBBACVSR

DC Battery Box with built-in 1000w Inverter & VSR50A Isolator



CSBBACVSR



Product Description

Ideal as an alternative to a conventional dual battery system, giving you the freedom to take power away from your vehicle. These portable power stations made from high strength ABS turns your battery into a versatile user friendly option for powering or charging a wide range of accessories and appliances while you are "off the grid".

Features

- Constructed from UL 94V-0 compliant ABS plastic
- Multiple port types allow you to connect a range of devices
- Easily connect a DC/DC charger or solar panel to charge the battery or use the inbuilt VSR to charge directly from crank battery
- Can be used to jump start vehicles (175A Anderson jumper cable set is an optional extra)
- All ports are recessed into the body to reduce likelihood of damage
- Easily see battery status with large digital display



TV



CAMERA



UAV



COOKER



CAR FRIDGE



COMPUTER



LIGHT



CUTTING MACHINE

Specifications

BATTERY BOX

Materials:	ABS plastic
Box dimensions:	External: 455mm (l) x 240mm (w) x 330mm (h) Internal: 455mm (l) x 240mm (w) x 330mm (h)
Max. battery dimensions:	330mm (l) x 175mm (w) x 220mm (h)
Max. battery weight:	35.0kg
Max. battery capacity:	130Ah
Suitable battery types:	Deep cycle (Lithium, AGM, Calcium, Wet, Gel)
Charge method:	AC charger, solar panel, DCDC charger (VSR)
Ports:	1 x dual USB output, 2 x cigarette plug outputs, 1x 50A VSR input (Black Anderson Port)
	3 x 50A Anderson port inputs/outputs, 1x 175A Anderson plug output

1000W PURE SINE WAVE DC-AC INVERTER

Continuous power	1000W
Peak power	2000W
Input voltage	12V/24V/36V/48V Optional
Output voltage	100V-120V,220V-240V
Protection function	Low voltage alarm
	Low voltage shut down
	Over input voltage
	Over temperature
	Over load
	short circuit
	Reverse Polarity (fuse)

MINI VSR - VOLTAGE SENSITIVE RELY

Continuous	50Amps
Voltage System	12VDC
Sense	Single
Engages	13.2VDC, 10s delay, LED on
Disengages	12.8VDC, 10s delay, LEF off

VSR OPERATION

The Voltage Sensitive Relay (VSR) allows two batteries to be charged at the same time. When the engine is started and the main battery's voltage higher than 13.2 volts, the VSR engages, allowing two battery banks (start and house) to be charged simultaneously. When the combined voltage drops below 12.8 volts (eg. the engine is stopped), the VSR disengages, separating the batteries. This system eliminates the possibility of draining the wrong battery and protects sensitive electronic equipment powered from the house battery from harmful engine start up spikes.

HOW THE VSR WORKS

Once the main battery's voltage rise to above 13.2VDC, the VSR switches to charge both batteries in parallel, when the combined voltage drops below 12.8VDC, the VSR disengages. Disengagement can occur at idle (low amps out due to slow speed of alternator) or if the house battery is at a low charge. An increase of the engine's RPM will increase the alternator output and hold up the voltage.

FEATURES

- Dual battery charging made easy
- Protects electronics on house battery circuit from engine start up spikes
- Fully automatic

