



Voltage Control Relay

FULLY AUTOMATIC SPLIT CHARGING RELAY

The VCR System is a fully automatic split-charging relay. Fully managed split charging ensures that the engines cranking batteries are replenished before auxiliary batteries are recharged.

The relay remains open (isolates) until the engine start battery reaches a preset voltage of 13.2V, then closes (connects) to allow charging of the auxiliary battery.

When the engine is switched off, the VCR will open (isolates) to ensure that appliances drawing power from the auxiliary battery are isolated from the engine battery.



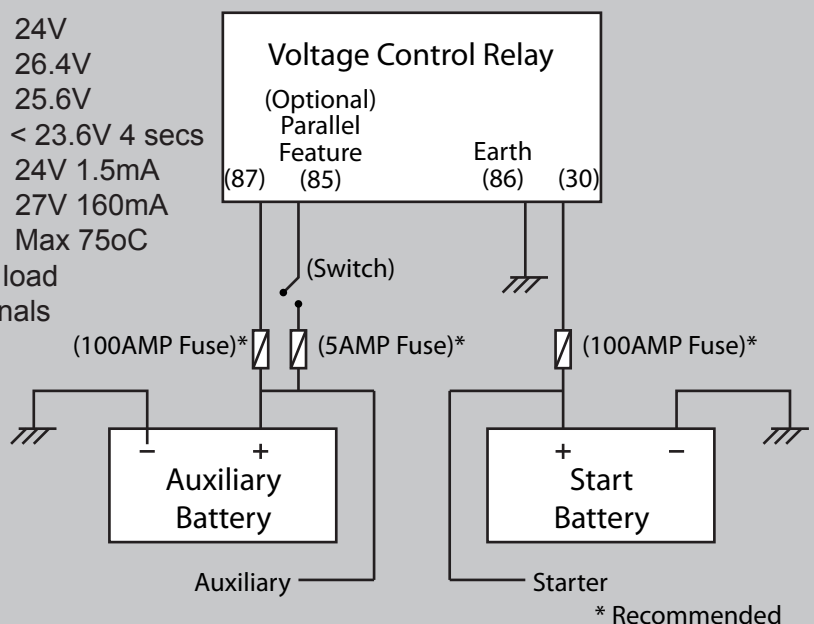
Specifications

Model	BTVCR100	
Operating Voltages	12V	24V
Relay Turn On Voltage:	13.2V	26.4V
Relay Turn Off Voltage:	12.8V	25.6V
Rapid Discharge Disconnect:	< 11.8V 4 secs	< 23.6V 4 secs
Current Consumption (OFF):	12V 1.5mA	24V 1.5mA
Current Consumption (ON):	13.5V 360mA	27V 160mA
Operating Range:	Min -30oC	Max 75oC
Maximum Voltage Drop:	< 200mV at full load	
Easy Connection:	M6 screw terminals	
Dimensions (LxWxH):	45x45x80mm	
Weight	100g	

Features

- 10-bits MicroProcessor Controlled
- Power Supply - Autodetect 12V or 24V
- Bio-Directional Charging
- Easy Connection
- Weather-Proof - IP65
- Water Resistant
- 2 Year Warranty
- MADE IN EU

Wiring Diagram



Part No. BTVCR100 - 12/24Volt 100AMP model