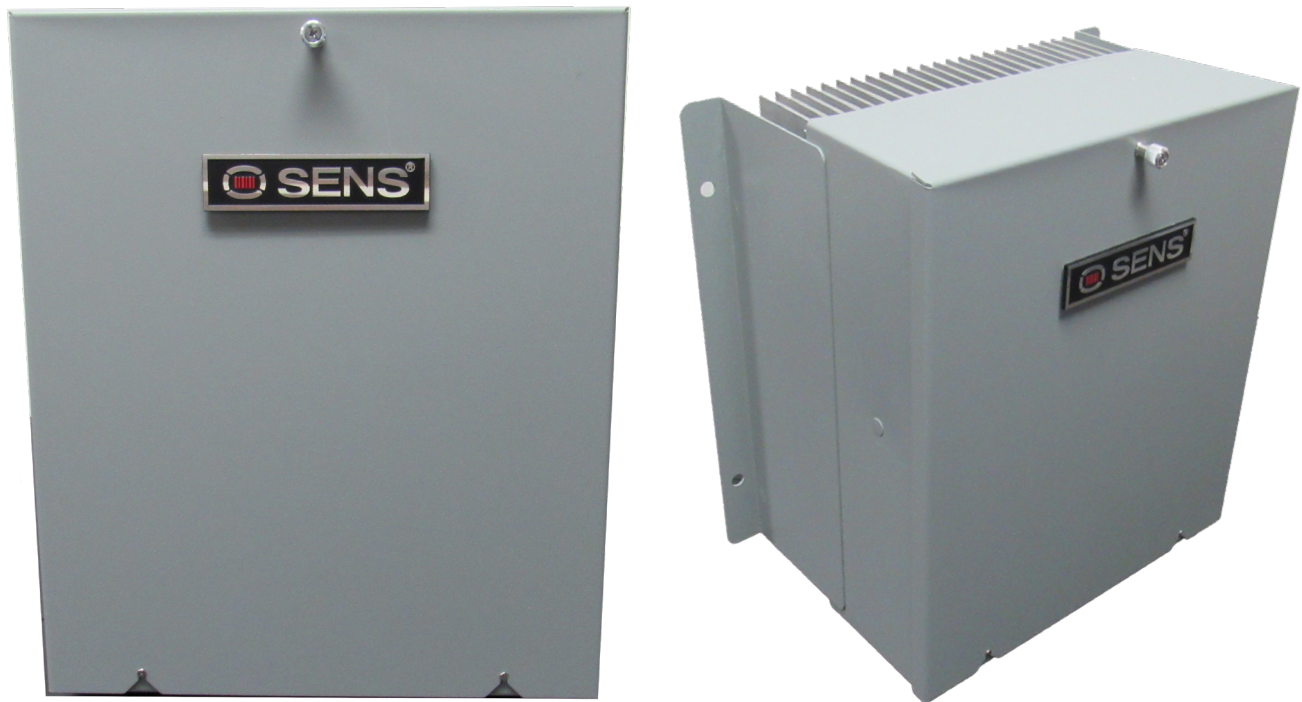


# BCS-120

**DC Redundancy - for alternator  
and engine control power**



**Reliable. Durable. Trustworthy.**

SENS best battery selectors are commonly used to provide DC redundancy for mission critical engine starting power delivery. The BCS-120 provides this same type of functionality, but for the alternator and engine control DC power.

# Robust reliability. More redundancy.

The SENS Battery Control System (BCS) ties the engine alternator output to two isolated DC battery banks and two isolated DC battery banks to your engine control power and accessory loads. If one battery is weak or fails, power from the stronger battery automatically flows to the loads, such as an engine control panel, or DC powered lights. It comes standard with 80A DC breakers for each battery bank, as well as a 10A breaker for DC auxiliary loads.

## State-of-the-art features

### Mission-critical dependability

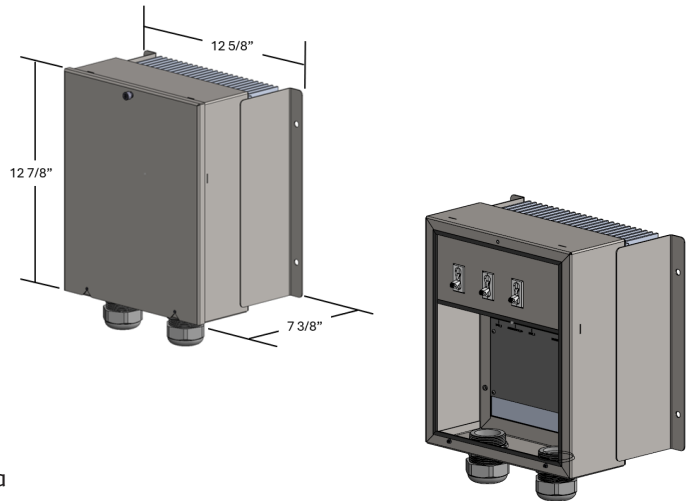
If one set of batteries is weak or dead, the other set of batteries can still operate the engine control panel allowing for continued operation.

### Ease of use

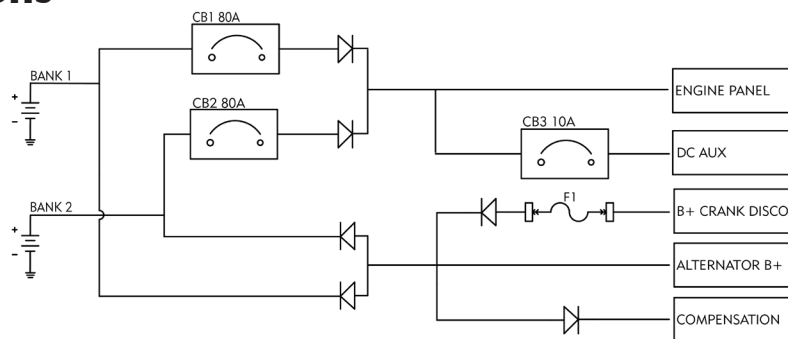
All solid-state design uses large diodes mounted on generously sized heat sinks and a tool-free access cover. There are no moving parts or need for control electronics.

### Powerful protection

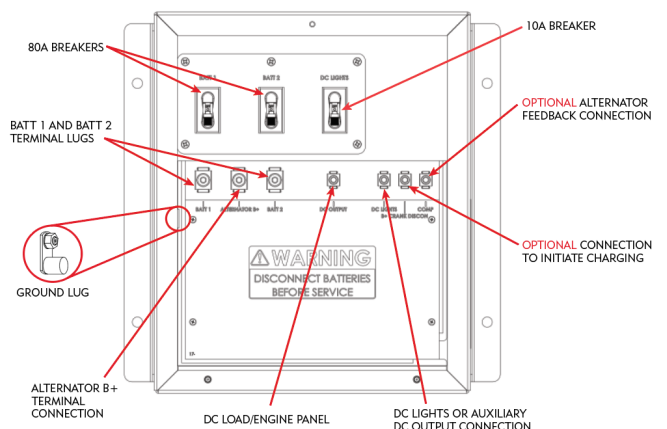
The BCS prevents parallel connection of two batteries so that a bad battery does not cause the failure of the other one.



## Wiring connections



Specifications	
Operating Voltage	32V Max
Operating DC Current	80A max, 64A continuous
Continuous Alternator B+ Current	120A Max
DC Lights Current	10A max, 8A continuous
Typical full load voltage drop	0.4V
Operating Temperature	-40° to 55°C (indoor use only)
Battery and Alternator Connections	Terminals accept 1/0 - 8AWG, refer to National Electrical Code for wire gauge selection
Other Connections	Terminals accept 3 - 14AWG, refer to National Electrical Code for wire gauge selection
Hex Size for All	4mm



## Contact Information

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