

Automatic 200 Amp Programmable Auxiliary Battery Switch Models: ABS3-200A and ABS3-200B



Technical Description

InPower's ABS3 Series of Auxiliary Battery Switches are the ideal solution for charging and isolating an auxiliary battery from a vehicle's chassis battery and alternator. InPower's ABS3 Series replaces outmoded battery isolators and unreliable mechanical battery separators. The ABS3 uses proven patented solid-state contactor technology and patented ultra-cool power terminal technology.

Sophisticated microprocessor algorithms monitor over-current, over-voltage, under-voltage, and over-temperature conditions.

The auxiliary battery is charged from the chassis battery and alternator while the chassis battery is protected from auxiliary battery load discharge. Since the ABS3 is bidirectional, a charging device (such as a battery charger or genset) that is connected to the auxiliary battery will also supply charging current to the chassis battery. **(See ABS3 Owner's Manual OM-215)**

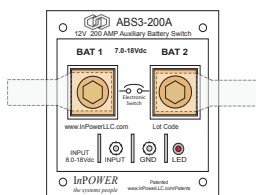
Optionally connecting 12 volts to the ABS3 input control enables the "boost start" feature. This feature allows both the auxiliary and chassis batteries to supply engine starting current. The "boost start" can be made automatic by connecting the input to the engine start signal.

InPower's ABS3 200 Amp Auxiliary Battery Switches are available in 2 and 4 Lug models. The 4 Lug model allows the ABS3 to serve as a high current junction block.

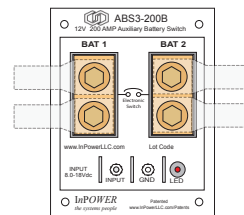
In addition, the 4 Lug model allows parallel power cabling between the auxiliary and chassis batteries. Parallel power cabling significantly reduces overall cable cost and increases wiring efficiency. **(See White Paper 1.042.HCC)**

- Ideal Auxiliary Battery Isolation
- Bidirectional Charging
- LED Indicator - Switch Status (On/Off)
- Boost start the vehicle from the auxiliary battery if the chassis battery voltage is low
- Solid state - no moving parts
- Extremely efficient - No need for a massive heat sink
- Over-current, Over-Voltage, and Over-Temperature protection

2 Lug 200A Amp



4 Lug 200A Amp



ABS3 System Diagram

