

# Sterling-Power-USA

## Pro Split R – Zero Voltage Drop Isolator

**ProSplit R** is an advanced alternator distribution & power management device. It has been developed specifically to deal with the complex nature of modern multi battery systems in boats and vehicles.

### Key features of the **ProSplit R**

Truly zero voltage drop – many competitors claim to be 0V drop but fail to achieve it under testing, especially when it's paramount (with heavy loads).

Models currently available with 1 or 2 alternator inputs & two, three or four battery bank outputs.

Complex software with 1000 lines of code ensures charging priorities (prioritizing the engine start battery).

Unlike conventional Voltage Sensitive Relays (VSR's), The **ProSplit R** has the ability to identify any reverse current or over-voltage conditions and disconnect individual batteries to avoid damage or discharge.



Alt. Volts	Max Alt Amps	Output batt. bank	Unit Size (LxWxH) inch	Weight	Part #
12V	120A	2 out	6 x 3.2 x 4.8	1.32 lbs	PSR122
12V	180 A	2 out	6 x 3.2 x 5.6	1.54 lbs	PSR182
12V	230 A	2 out	6 x 3.2 x 6.2	2.2 lbs	PSR252
12V	120 A	3 out	6 x 3.2 x 5.2	1.98 lbs	PSR123
12V	180 A	3 out	6 x 3.2 x 7.0	2.2 lbs	PSR183
12V	230 A	3 out	6 x 3.2 x 8.8	2.86 lbs	PSR253
12V	Twin 130 A	4 out	6 x 3.2 x 11.8	3.96 lbs	PSRT134
24V	60	2 out	6 x 3.2 x 4.8	1.32 lbs	PSR62
24V	100	2 out	6 x 3.2 x 5.6	1.54 lbs	PSR102
24V	150	2 out	6 x 3.2 x 6.6	2.64 lbs	PSR152
24V	240	2 out	6 x 3.2 x 10.0	3.74 lbs	PSR242
24V	60	3 out	6 x 3.2 x 6.0	1.54 lbs	PSR63
24V	100	3 out	6 x 3.2 x 7.0	2.20 lbs	PSR103
24V	150	3 out	6 x 3.2 x 8.8	2.86 lbs	PSR153
24V	Twin 80	4 out	6 x 3.2 x 11.8	3.96 lbs	PSRT84

### Principle features of the **ProSplit R**

- ✓ Distributes power according to need.
- ✓ Individually isolates a battery bank immediately upon detection of reverse feed to prevent discharge.
- ✓ Isolates all except the main battery bank in the event of high load discharge.
- ✓ In the event of alternator &/or regulator failure the **ProSplit R** will disconnect input to prevent batteries from overcharge.
- ✓ It isolates any batteries where high voltage is present, for example, caused by a separate battery charger.
- ✓ An LED display shows status of all channels, whether in use or not, and provides alarm status information.
- ✓ An Industrial rating capable of sustaining massive overload conditions.
- ✓ A Fail-safe; In the event of device failure, alternator and engine start batteries remain connected.
- ✓ IP66 waterproof rating.
- ✓ An Integrated current limiting feature to prevent overload and short circuit.
- ✓ An 'Ignition on' sense connection.