



AMERICAN POWER SYSTEMS, INC. Dual Rectifier Battery Isolator



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FEATURES & BENEFITS

- Highest amperage isolators available
- Market-leading, ultra-low on-state resistance
- Battery combine feature for self-jumping
- Expansion port for external monitoring via remote LEDs/Alarm
- Arrayed MOSFET technology
- Solid state: No moving parts to wear
- 99.9% efficiency at maximum current
- No heat sinks or airflow required
- No de-rating over temperature range
- Low voltage, high current capability
- Fully encapsulated, rough-duty design
- CNC-cut and plated internal conductors
- Onboard LEDs for visual feedback
- High surge capability
- MIL-STD-461E compliant
- Quick-turn capability



APPLICATIONS

Charge dual batteries from a single power source and discharge them independently. Units represent an ideal diode designed to switch and control DC power for military, aeronautic, automotive, commercial, marine, industrial machinery, photovoltaic and fleet utility applications.

SPECIFICATIONS

Device	Medium	Large
Current rating	100-300 amps	400-600 amps
Surge current	Up to 3,000 amps	Up to 3,000 amps
Operating voltage	12 Volt	6-18 VDC
	24 Volt	6-36 VDC
Voltage drop @ max current	12 Volt	39-51 mV*
	24 Volt	44-59 mV*
Temperature range	-40-105 C	-40-105 C
Weight (lbs)	23.5 ounces	54 ounces
Dimensions (LxWxH)	7.78" x 5.13" x 1.95"	8.58" x 6.63" x 1.89"
Stud size	3/8-16 x .75"	7/16-14 x .75"

* Current rating specific to device; ambient temperature dependent.

Note: Single rectifier options also available.