

## APS Isolator Specifications – APS300-PG12



The American Power APS 300-PG12 isolator delivers total dual battery isolation in a package designed to have zero voltage drop and zero heat rejection. The APS 300-PG12 delivers clean power to your dual battery setups protecting each load system as a separate buss. The APS 300-PG12 allows each battery to be charged at all times by the system alternator but protects each battery bank from being discharged by the other battery bank loads. APS 300-PG12 will not cause voltage drop between the alternator and the battery sets during charging.

### ELECTRICAL SPECIFICATIONS

Rated Power:	3.75 kW
Rated Voltage:	12 VDC nominal
Current Handling:	300 amps nominal
Charge voltage set point:	10 - 18.4 V
Voltage Drop	.05 VDC
Turn on:	MOSFET
Plug Interface:	Hard wire
Efficiency:	99.7% typical.

### MECHANICAL SPECIFICATIONS:

L W H:	6.0" x 3.2" x 1.2"
Mount:	Flange
Weight:	4 lbs.
Cooling:	Ambient

### SPECIAL FEATURES:

- Custom MOSFET Design
- High Performance heat sink
- Low Voltage Drop Low Heat Rejection
- Designed to meet MIL standards



APS isolators can be configured to ship with APS alternators for a complete matched system.

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