

Battery Integrators & Isolators

Battery Integrators

The Battery Integrator enables charging of two separate banks from a single source, yet maintains 100% isolation at all other times. A voltage comparator circuit and low resistance contactor act as a "smart" switch, connecting independent battery banks only when a charging voltage is present, then disconnecting them for selective discharge. Because diodes are not used, there is no voltage drop



BI-100; 12 volts, 100 amps max
BI-24-100; 24 volts, 100 amps max

Battery Isolators

Heavy duty isolators allow charging multiple batteries automatically from one or two alternators and prevent discharge from one battery bank to another. Each battery is charged according to need without overcharging. Rated for 12-48 volt negative ground systems.



Models*: 1-2-70; 1-3-70; 1-2-120;
 1-3-120; 2-3-70; 2-3-120; 1-3-165.

* Model # Key:
 Alternator
 Inputs-Battery
 Bank Outputs-
 Alternator Amps



NOTE: These battery isolators are not compatible with self exciting alternators. Please consult the manufacturer of your alternator if you are unsure of your configuration.

Automatic Power Selectors



APS-70

Automatic Power Selector

The Automatic Power Selector (APS) is a solid state device which enables installation of a seamless, redundant power system for critical electronic loads. It selects the higher voltage of two isolated DC power sources and routes power to the load. Should one source falter or fail, the other will automatically supply the load with no transfer delay, operation continues uninterrupted.

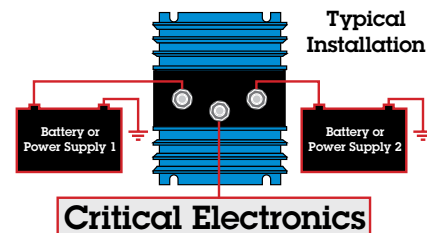
Easy installation, two independent power sources are wired to the APS and routed in a single output to the vital load. Rugged, rust-proof anodized aluminum case.

Models:

APS-70 Max. Load 70 amps., 3.25" x 4.5" x 3.1", 2 lbs..

APS-160 Max. Load 160 amps, 9.0" x 4.5" x 3.1", 5 lbs.

Voltage Rating: 6-50 VDC, neg. ground



Critical Electronics

Digital Meters



DCE



Digital Instruments for AC/DC Systems

These highly versatile digital instruments enable continuous and comprehensive monitoring of fixed site or mobile AC and DC electrical systems. They provide quick easy-to-read and accurate information on all important aspects of electrical system status: voltage, current, power consumed, power available and AC frequency. In addition, abnormal system conditions such as high/low voltage trigger user-adjustable alarms.

All read-outs and programming are controlled via touch pads on the instrument face. LCD displays are easily read, even in bright sunlight. Backlighting is provided for use at night or in low-light installations. Instruments mount in 2 1/8" diameter hole and standard instrument faces are 2 1/2" square. ACE and DCE are now available in large scale, 4 1/4" X 4 1/4" face.

Models

DCV Displays DC volts for three battery banks. High/low voltage alarms. 2 1/2" square face.

DCE Displays DC volts, amps, energy used/remaining in battery system; 500 amp shunt included. High/low voltage, low amp-hour alarms. Specify 2 1/2" or 4 1/4" square face.

ACE Displays volts, amps, frequency and wattage of 115/230 VAC systems. High/low volt/frequency alarms. Current transformer included. Specify 2 1/2" or 4 1/4" square face.

