

Technical Specifications
SMR50/12-15, 12-18, 12-24, 12-48
DC-DC CONVERTERS

The SMR50/12-xx Converters are compact dc-dc converters for converting 12V battery voltage to 15V, 18V, 24V or 48 Vdc. Housed in a compact 3.0" x 3.0" x 1.75" enclosures, these modules offer clean output and are well-suited for fixed and mobile installations, including marine, rail and air.

Models Offered	SMR50/12-15-03 (15 Vdc output @ 3 A). SMR50/12-18-03 (18Vdc output @ 3.0A). SMR50/12-24-02 (24 Vdc output @ 2.0A). SMR50-12-48-01 (48 Vdc output @ 1.0A).
Design	100 kHz switch mode.
Input	+12Vdc Nominal (+11 to +17 range), negative ground.
Output Voltage	+15V, +18V, +24V or +48V (nominal), negative ground.
Output Current	1, 2 or 3 amps, model dependent.
Output Ripple	Less than 100mV typical.
Regulation	+/- 1%
Protection	<ul style="list-style-type: none">• Electronic current limit.• Input fuse.• Input dc reverse polarity protection.• Overload protection.• Transient protection.
Operating Temp. Range	-10 to +40 Deg. Centigrade.
Humidity	Up to 95% NC.
Input/Output connections	Via 16-inch flying leads or TBs (please see options).
Enclosure	UL approved industrial grade plastic enclosure, 3.0" x 3.0" x 1.75"H; light textured, black. Can be secured to any flat surface with two 6-32 screws.
Options	<ol style="list-style-type: none">1. Units with flying leads for input/output and in-line fuse.2. Units with input/output TBs, fuse, and on/off switch.3. Encapsulated units.4. 2x current output units. Larger enclosure supplied.