

DC Converter - Step-Up Series



12-24-16
Standard,
Non-Isolated



12-24-18I
Isolated

These "UP" converters produce 24 volts from 12 volt systems and are ideal for managing dual voltage applications on mobile applications without having to install a 24 volt battery and dedicated charging system. Choose from two types depending on your application:

In the Standard, Non-Isolated Series the 12V input and 24V output share a common negative ground and are ideal when installing certain electronics that operate better on 24 volts when a robust 12 volt system exists. Models available in outputs of 7, 16 and 25 amps.

The Isolated Series allows compatibility between positive and negative ground systems, for example installing negative ground 24V electronics on a 12V floating ground aluminum vessel. The isolated series is also a good choice for dual voltage system where noise and interference is an issue. Its input/output partitioning circuit prevents noise on the 12 volt system from being transmitted to the 24 volt side.

Standard, Non-Isolated Series

- Intended for use on negative ground systems
- 10 -15 VDC input range
- Available in 7, 16 and 25 amp outputs
- Current limited, voltage spike suppression, automatic thermal shutdown and recovery

Options for Standard, Non-Isolated

- Operation as a battery charger (contact factory)
- Parallel/redundant operation (contact factory)
- High vibration mounting kit (page 8 for more information)
- Non-standard output voltage (contact factory)

Isolated Series

- Allows positive/negative ground compatibility between 12V battery and 24V accessories
- Wide range input, 10 - 16V, regulates to 24.5V
- Superior noise reduction
- Input/output isolation 250VDC
- Heavy duty powder coated aluminum case
- Available in 6 and 18 amp outputs
- Anodized aluminum case
- Available on special order as battery charger

Model	Input Voltage	Output Voltage	Output Amps		Dimensions (H x W x D)		Weight	
			Intermittent	Continuous	Inches	Centimeters	Lbs.	Kg.
Standard - Non-Isolated								
12-24-7	10 - 15	27.2	7	7	3.5 x 3.5 x 1.75	8.9 x 8.9 x 4.5	1.4	.64
12-24-16	10 - 15	27.2	16	16	3 x 5 x 9.25	7.62 x 12.7 x 23.5	3.35	1.51
12-24-25	10 - 15	27.2	25	25	6.0 x 6.8 x 16.5	15.2 x 17.3 x 41.9	4.1	1.86
Isolated								
12-24-6I	10 - 16*	24.5	6	4	4.25 x 5.9 x 14.0	10.8 x 15.0 x 35.6	6	2.7
12-24-18I	10 - 16*	24.5	18	10	6.0 x 6.8 x 16.5	15.2 x 17.3 x 41.9	12	5.5

*11.5 VDC min. start-up voltage, then operates @ 10-16 VDC from 1 amp min. to full load



Powering the Network