



DC Power Stabilizers



12-12-3I



24-24-7I



12-12-12I

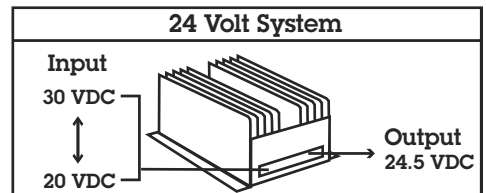
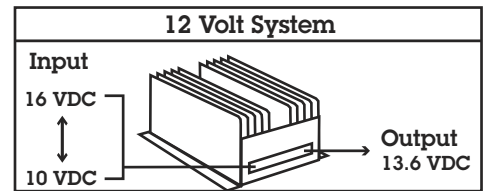
12 & 24 Volt Stabilizing Converters

Feed sensitive electronics with proper voltage regardless of battery condition. These stabilizing converters provide continuous, precisely regulated output over the entire range of a battery's usable voltage. This prevents subjecting loads to fluctuating input voltage which can cause shutdown, diminish performance and possibly damage sensitive circuitry.

Application Benefits Include:

- Operate electronics at optimal input voltage, even from nearly drained batteries
- Boost voltage to compensate for voltage drops in long wire runs from batteries
- Eliminate voltage drops during momentary high current drain from batteries, as during engine start
- Eliminate voltage fluctuation from charge sources
- Eliminate voltage overshoot due to sudden removal of high current load

These converters provide total input/output isolation, virtually eliminating conducted line noise and permitting connection of negative ground gear to positive or floating ground systems, or vice versa. They can also be modified for use as battery chargers, allowing them to maintain a battery at a great distance from the primary voltage source, providing reserve power if the main source fails. The rugged anodized aluminum case is ideal for marine applications



Options/Factory Modifications

- Operation as a battery charger (contact factory)
- Parallel/redundant operation (contact factory)
- High vibration mounting kit (see bottom of page 10)
- Non-standard output voltage (contact factory)

Model	Input voltage	Output voltage	Output Amps Intermittent	Case Size	Weight (Lbs) (Kg.)
12-12-3I	10-16	13.6	3	C-4	1 .45
12-12-6I	10-16	13.6	6	C-4	1 .45
12-12-12I	10-16*	13.6	12	C-2	6 2.7
12-12-35I	10-16*	13.6	35	C-3	12 5.5
24-24-3I	20-56	24.5	3	C-3	12 5.5
24-24-7I	20-32	24.5	7	C-5	2 .9
48-24-6I	20-56	24.5	6	C-2	6 2.7
48-24-9I	20-56	24.5	9	C-2	8 3.6
48-24-18I	20-56	24.5	18	C-3	12 5.5

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

Case Size

Ref.	Inches			Centimeters		
	H	W	D	H	W	D
C-1	4.25	5.9	7.7	10.8	15.0	19.6
C-2	4.25	5.9	14.0	10.8	15.0	35.6
C-3	6.0	6.8	16.5	15.2	17.3	41.9
C-4	3.5	3.5	1.75	8.9	8.9	4.5
C-5	7.0	3.5	1.75	17.8	8.9	4.5

See page 9, Isolated Series Converters for complete specifications and mechanical description.



DC Power Onboard