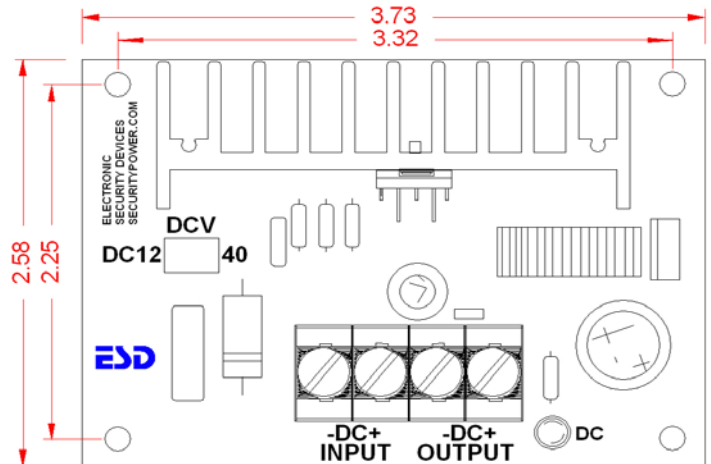
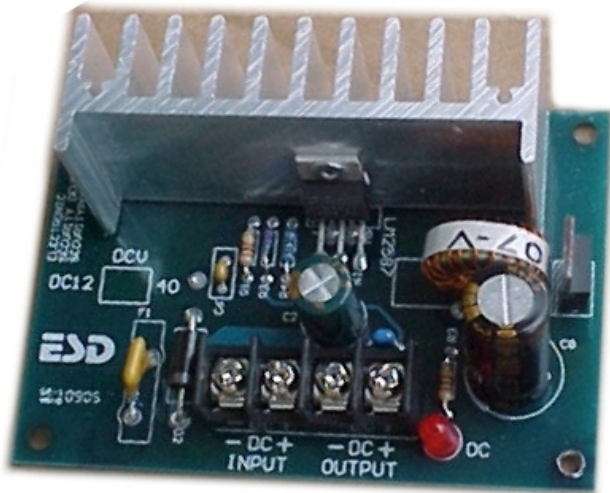


DC12XX40 DC TO DC CONVERTER VOLTAGE BOOSTER POWER SUPPLY

12VDC to XX = DC Output Voltage 16vdc – 57vdc

Made in the USA with a Life Time Warranty



- Provides regulated voltages of 16 to 57vdc from 12vdc
- 40 Watt Continuous Output
- Power CCTV, Locks, Controls or POE Power over Ethernet

- See DC252I to convert down or up isolated
- 90% Typical conversion efficiency
- Reverse Polarity Protected
- Made in the USA
- RoHS Lead Free



Description

Do you ever find yourself needing another output to drive a 24 volt lock or some other control device needing a higher voltage than your 12v power system with 12 volt battery? How about a 48V or 57V output to provide (POE) power over the Ethernet?

The DC12XX40 is a DC to DC boost converter that converts a nominal 12vdc input to a preset regulated DC output (xx) from 16vdc to 57vdc with 40 watts of power. The input can actually be from 10vdc up to the output voltage.

This converter is very useful when a continuous regulated voltage between 16vdc and 57vdc is needed. This allows 2 output voltages from 1 battery source. The input range can be as low a 9vdc and as high as the output voltage.

The voltage range of a 12v lead acid battery can be as broad as 9.5vdc to 16vdc. This wide range of voltage on the input provides a well regulated output voltage of ordered value between 16 and 57 volts DC.

A 24vdc output at 1.5 Amps (36W) will require a little more than 3 Amps of 12vdc on the input (39W).

Specifications

- Input Voltage 16,18, 24v models 10v – 14VDC
- Note Input cannot be greater than output
- Input Voltage 28, 30, 32, 48 & 57V models 10-28VDC
- Note lower input voltage could be used with reduced Amperage on output.
- Input Current (OutV*OutA)/(InDCV*1.1)) PTC Fused 6A
- Input reverse polarity protected Yes
- DCV Output XX= 16, 18, 24, 28, 30, 32, 48 & 57 . 40W
- DCV Output regulation +2%
- Efficiency 90% Typ
- Output noise and ripple (18v@2Amp out) ... 75mv rms
- Switching Frequency 100Khz
- Terminal Block Input & Output 300v, 20A 12-22awg
- Note: Wire ready self clamping screws
- Operating Temperature -20 -125^oF
- Storage Temperature - 60 – 190^oF
- Thermal Protected with shutdown Yes
- Size 3.73W" x 2.58H" x 1.35"D
- Mounting (4) 3.32" x 2.25"



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12/09/08 © Technical Literature jdb DC12XX40 specifications subject to change
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