

FEATURES

- **Up to 150 watts of power**
If power exceeds 80 watts enhanced cooling is recommended
- **Range 1**
Input Voltage 10V to 32V
Output 10V to 46V adjustable
- **Range 2**
Input Voltage 8V to 16V
Output 8V to 46V adjustable
- **Input current 16A max**
If current exceeds 8A enhanced cooling is recommended
- **Output current 8A max**
If current exceeds 4A enhanced cooling is recommended
- **Quiescent current: 15mA**
- **Operating frequency 380kHz**
- **Temperature range -40°C to 85°C**
- **60mm x 50mm x 20mm**
- **Up to 95% efficient**

12V to 30V, 3A, 89.2% efficient
12V to 20V, 5A, 89.5% efficient
16V to 19V, 3A, 94% efficient
24V to 42V, 3A, 95.2% efficient

NOTES

1. To maximize efficiency use the thickest wire possible.
2. To increase voltage turn the pot clockwise, to reduce the voltage turn the pot counterclockwise.
3. The DC/DC converter is not protected against reverse polarity. Use a diode if this is a risk.
4. The DC/DC converter is not protected against short circuits. Use a fuse if this is a risk.
5. Input voltage must not exceed 32 volts.
6. To reduce the risk of damage to the load, connect the input voltage first, adjust the output voltage to the desired range and then connect the load.
7. This is a step up converter so the input voltage cannot exceed the output voltage.

This DC/DC converter is suitable for systems using several modules arranged to deliver a voltage between 8 and 32 volts.

