



Part # BB24VDC150W

## Converter 150W 6-32V to 0.8-28V Auto Boost Buck Regulator

### Feature:

- Module Properties: non-isolated buck-boost module (high efficiency)
- Rectification: synchronous rectification
- Input voltage :6-32V (rated power, input voltage equal to 9V; if input 6v, output about 90W)
- Output voltage : (adjustable output) 0.8-28V
- Output current: 15A (MAX)
- Output power: 150W (MAX)
- Conversion efficiency: Up to 97% (higher output voltage, equals higher efficiency)
- Remote control port: Yes, ON/OFF, (connect 0V, closed), (connect 5V or vacant, work).
- Output ripple: 1% (MAX)
- Operating temperature: Industrial (-40°C to +85°C) (if ambient temperature exceeds 40°C, power output must be lowered, or enhance heat dissipation with a heat sink)
- Short circuit protection: Yes, output current limiting (current limit is about 17A)
- Input reverse polarity protection: Yes
- Input over-voltage protection: Yes, over-voltage protection is 33V; maximum input voltage cannot exceed 36V.
- Indicator LED: working properly (green), not working or in protection mode(red)
- Connection: Removable terminal, eight input and output terminals, maximum current per port is 6A,
- Use multiple ports in parallel for larger currents.

### Primary Applications

- Battery voltage regulator for 12 & 24VDC battery charging.