



## Part # BB12VDC80W

### Feature:

- Auto Boost Buck Converter, Wide input voltage range
- Constant current and voltage, Used to charge the battery
- Efficiency as high as 94%
- Low ripple design is 21mV
- Under voltage protection, output short circuit and over current protection
- Aluminum shell potting design, shockproof, waterproof, heat-sink
- Pluggable terminal , easy assembly and disassembly
- Module Properties: non-isolated buck-boost module
- Input voltage :8-30V
- Output voltage :2-16V (adjustable)
- Output current range :0.5-6A (80W MAX) (continuously adjustable)
- Output power: natural cooling 80W
- Operating temperature: Industrial (-40°C to +85°C) (ambient temperature should not exceeds 40°C, or enhance heat dissipation with a heat sink), case surface temperature should not exceed 90°C.
- Full load temperature rise: 40°C
- Load regulation:  $\pm 2\%$
- Voltage regulation:  $\pm 0.5\%$
- Short circuit protection: Yes (current limit, current limit is constant value)
- Voltage protection: 7.7V
- Input reverse polarity protection: Yes.
- Shell: All aluminum, casting process