

DCDC-USB-200 VEHICLE PSU



FEATURES

- 150watt (180Watt peak)
- Wide range input, 6-34V
- Programmable output 5-24V
- Default output 12V
- High current, up to 15A
- Dual synchronous buck boost
- Spread Spectrum, out of phase operation
- Applications: power for motherboards with single rail power from any voltage to any voltage, laptops, custom electronics with buck-boost DC-DC.
- Programmable via USB interface
- Sends ON/OFF pulse to motherboard
- 4 modes of operation: DUMB, Automotive, Script or UPS
- 100% Solid Polymer Capacitors, Japan
- Dimensions: 160mm * 45mm * 23mm

PRODUCT DESCRIPTION

DCDC-USB-200 is a high power buck-boost microcontroller DC-DC converter.

This unit accepts any input ranging from 6-34V.

Output is 12V regulated or output can be changed with simple jumper settings to 5V, 6V, 9V, 12V, 13.5V, 18V or 24V or via USB in fine increments (0.25V) anywhere from 5-24V.

Applications	Powering motherboard with single rail power from any voltage to any voltage, laptops, custom electronics. This module can be used to convert any voltage ranging 6-34V to any output from 5-24V
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The DCDC-USB-200 has 4 models of operation:

Dumb Mode	Acts as a regular buck-boost DC-DC converter with wide input (6-34V) and produces a fixed 12V output (or any output from 5-24V)
Automotive Mode	Acts as an intelligent PSU, ignition aware, will send ON/OFF pulse to the motherboard to turn ON/OFF. Standby power consumption is well under 1mA.
UPS Mode	The unit will act as an intelligent UPS unit, will shut down at prescribed battery voltages.
Script Mode	Unit can be programmed to wake up, sleep, based on pre-programmed scripts

*All product specifications and product images are subject to change without notice.