

ALX BUCK/BOOST/SOLAR 1-30VDC 10A

LTC3780 DC-DC Buck-Boost Converter (5 – 32 Vin, 1 – 30 Vout, 10 A)

Specifications

- Input Voltage: 5 V to 32 V;
- Output Voltage: 1 V to 30 V;
- Output Current: 10 A maximum (adjustable);
- Output Power: 80 W (continuously);
- Peak Output Power: 130 W;
- Output Voltage Ripple: 50 mV (measured at 12 V, 5 A);
- Short-circuit protection
- PLL output voltage, output current and under voltage detection threshold;
- Dimensions: 77.6 x 46.5 x 15 mm

This product is an adjustable power with under-voltage detection threshold. It is designed to withstand maximum output current of 10 A, and can continuously dissipate 80 W up to 130 W, when the heat dissipation is improved. **ADDITIONAL HEAT SINK TO BE ADDED IF USED ON MAXIMUM POWER**

With this you can build your own adjustable power source or can be integrated into your innovative projects. To build a power source, all you need is a fixed DC source of 32V maximum. You can also use this to charge batteries or to control LED power.

Downloads

-  [LTC3780.pdf](#)

Functional Specifications

