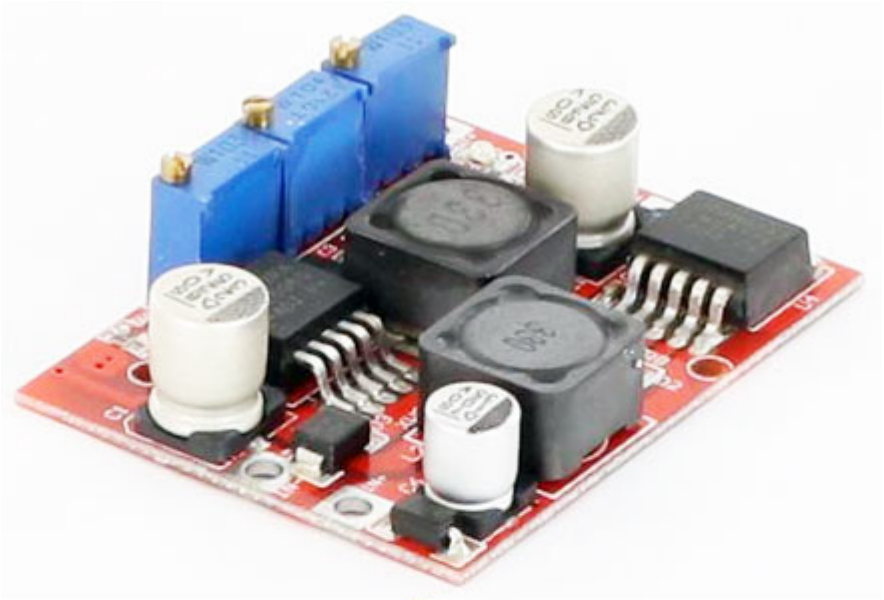
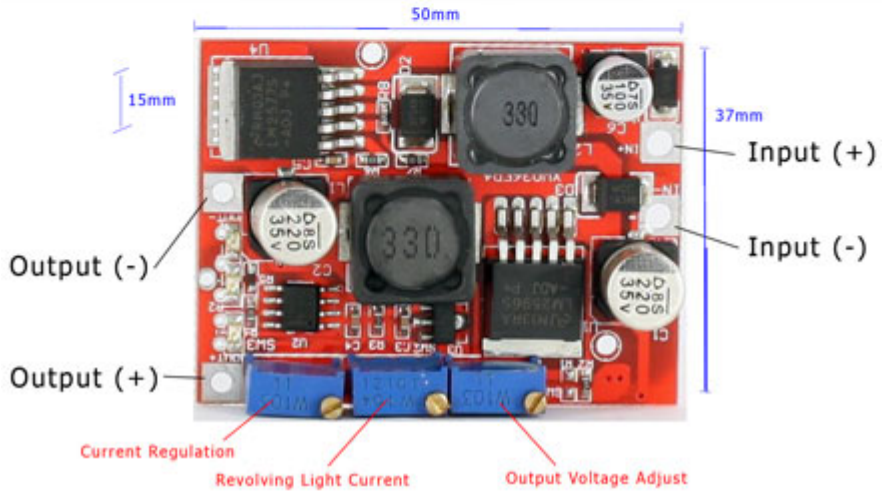


19.95 EUR
incl. 19% VAT, plus shipping



The LM2577S/LM2596 DC 4-35V to 1.25-25V automatic buck-boost converter, max output current 3A, output power 5W, automatic buck-regulator circuit, applicable high power led driver, solar panels.

Feature:

- Module Properties: non-isolated Boost Buck constant current, constant voltage module (CC CV) charging module
- Scope:
- High-power constant current LED driver.
- Battery charger (including ferroelectric), 4V, 6V, 12V, 14V, 24V battery charging, nickel-cadmium nickel-metal hydride batteries (battery) charger, solar panels, wind generators.
- Solar Panel, Wind generator voltage regulator, Car Power Supply.
- Input voltage: 4-35V
- Output voltage: 1.25-25V
- Output Current: Rate 3A, Max 4A (If more than 15W, please install the heat sink, this item do not include heat sink)
- Constant current range :0-2A (adjustable)
- Revolving light current: constant current value * (1% -100%), Revolving light current value Linkage with the constant current value, such as the constant current value is 3A, Revolving light current is set to constant current of 0.1 times (0.1 * 3A = 0.3A) when adjusted to the constant current value when the 2A, then Revolving light current is 0.2A (0.1 * 2A = 0.2A). Default 0.1 times
- Minimum voltage pressure: 2V
- Output power: natural cooling 15W, (if install heat sink can be 25W)
- Conversion efficiency: 80% (the higher the output voltage, the higher the efficiency

- Operating Temperature: Industrial (-40°c to +85°c) (if ambient temperature exceeds 40 °c, please lower power use, or to enhance heat dissipation)
- Full load temperature rise: 45°c
- This Converter only can rise Voltage, it can not rise Power.
- if use Solar as power supply, please make sure the input power is 1.1 times than the output power.

Note:

- Potentiometer adjustment direction: clockwise (increase), counterclockwise (decrease)
- Indicator: constant current Indicator Red, Charging indicator Red, Full charge indicator Blue.
- Output short circuit protection: Yes, constant current (constant current setting values)
- Input Reverse Polarity Protection: None (Please Series diode at the input port.)
- Connection: Welding, can be directly soldered to a PCB

Battery Charging method:

- 1. Make sure the recharge battery float voltage and charge current, input voltage of the module.
- 2. adjust constant voltage regulator, the output voltage about 3V.
- 3. With a multimeter (to 10A) Measuring output Short-circuit current, Also adjust the constant regulator allows Output current reaches a predetermined charge current value;
- 4. Adjust Constant regulator allows Output voltage reaches the float voltage;
- 5. connected to the battery, try charging.
- (1,2,3,4 step input connect power, output do not connect battery.)

LED constant current driver Usage:

- 1. Make sure LED current and the maximum operating voltage;
- 2. adjust constant voltage regulator, the output voltage about 3V.
- 3. With a multimeter (to 10A) Measuring output Short-circuit current, Also adjust the constant regulator allows Output current reaches a predetermined LED working current value;
- 4. Adjust Constant regulator allows Output voltage Reach LED maximum working voltage;
- 5. Connected to the LED, test.
- (1,2,3,4 take steps input connect power, output do not connected LED.)

Package Includes:

- 1x DC-DC Converter