

Constant Current Voltage LED Driver Battery Charging Module

LM2596 1.25~30V



Description:

LM2596 Constant Current for LED Driver Lithium-ion Battery Power Supply Module

Premium quality LM2596 chip with high efficiency and low heat output

With the use of low ESR YUAN loaded Sanyo filter capacitor, make the ripple voltage as low as 50mV

Can easily reach 3A or more current, stable performance

High quality material, durable to use

The output ripple: 20M bandwidth (for reference only)

Input 12V output 5V 3A 60mV (MAX)

Working temperature: industrial grade (- 40 — + 85 celsius degree) (when temperature is more than 40 degrees, please reduce power, or enhance heat dissipation)

Full load temperature rise: 45 celsius degree

No-load current: 10mA typical (12V to 4.2V)

Load regulation: $\pm 1\%$

Voltage regulation: $\pm 0.5\%$

Dynamic response speed: 5% 200uS

Output short circuit protection: yes, constant current (current setting constant current value)

Connection mode: can lead directly welding on the PCB