Yslun Electronic - Electronic Manufacturer   Store No.110242   🏅 Top-rated Seller

3359 💎💎💎   99.5% positive feedback ▾

Store Home | Products ▾ | Sale Items | Top Selling | Feedback | Contact Details

Home > Store Home > Products > DC Buck (Step Down) Converter

Store Categories

- ⊞ cnc tools (CNC Engraver Bits)
- ⊞ Other Measuring & Analysing Instruments
- ⊞ Digital Ammeter
- ⊞ Digital Voltmeter
- ⊞ Digital Thermostat & Thermometer
- ⊞ Consumer electronics
- ⊞ DC Converter
- ⊞ Home & Garden
- ⊞ Car Accessories
- ⊞ Voltage Regulator & Switch Power Supply
- ⊞ Amplifier & Amplifier Power Supply
- ⊞ Electronic Accessories
- ⊟ Shaft Coupling
- ⊟ Computers & Networking
- ⊟ LED Lighting
- ⊟ Security & Surveillance

Service Center

- ⊙ Offline
- ✉ Contact Now

Add to Store List

(223 Adds)

Top Selling

AC 220V MCU Thermostat -15-70
US $8.35 / piece
Orders(92)

3A Waterproof DC 8-20V 12V To 5V 15W...
US $7.98 / piece
Orders(69)

0.36" -55 Degree to 125 Degree Yellow...
US $10.36 / piece
Orders(61)

0-300V/300A DC Amp/Volt Gauge
US $10.98 / piece
Orders(44)

5in1 Multifunction OLED Display Panel...
US $12.38 / piece
Orders(38)

Digital Thermostat -50~110 Celsius...
US $13.86 / piece
Orders(25)

🔍 Mouse over to zoom in

Product ID: 1595210495 DC Buck Converter DC 5V-30V to 0.8...

DC Buck Converter DC 5V-30V to 0.8V-29V 5A Constant voltage constant current charging + 2in1 Volt Amp Panel Meter #090627

★★★★★ **100.0%** of buyers enjoyed this product! (3 votes) | **1** order

Price: **US $12.93** / piece

Bulk Price ▾

Shipping: **Free Shipping** to Poland via Singapore Post ▾
Delivery: 15-60 days (ships out within 3 business days)

Quantity: 1   piece (999 pieces available)

Total Price: **US $12.93**

Buy Now   🛒 **Add to Cart**

♡ Add to Wish List ▾   (10 Adds)

Return Policy: Returns accepted if product not as described, seller pays return shipping; or keep the product & agree refund with seller. View details ▸

Seller Guarantees: ⏰ On-time Delivery **60 days**   ↻ Returns Extra **Faultless Goods**

🛡 **Buyer Protection**
☑ **Full Refund** if you don't receive your order   ☑ **Refund or Keep** items not as described
Learn More ▸

Product Details | Feedback (3) | Shipping & Payment | Seller Guarantees   Report item

Item specifics

Type:	DC/DC Converters
Brand Name:	DC Buck Converter
Input Voltage:	DC 5V-30V
Output Current:	5A (over 3A should enhance heat dissipation)
Output Voltage:	DC 0.8V-29V
Model Number:	Adjustable Converter
Rectification::	Non-Synchronous Rectification
Input voltage:	DC 5V-30V
Output voltage:	DC 0.8V-29V
Output Current:	5A (over 3A should enhance heat dissipation)
Display:	Dual 4 0.28 "digital tube
Display color::	Red
Current Range:	0A-5A
Voltage Range:	5V-30V

Product Description

YSLUN   worthy of trust !

FREE SHIPPING   100% MONEY BACK 45 DAY GUARANTEE   ESCROW   1 Year warranty   ● Description Warranty   ● Speedy Processing   ● Free Return Shipping

YSLUN — Item Description

DC Buck Converter DC 5V-30V to 0.8V-29V 5A Constant voltage constant current charging + 2in1 Volt Amp Panel Meter #090627

Features of Power Module:

- **Module Properties:** non-isolated step-down module,Constant voltage constant current module,Adjustable charging module
- **Rectification:** Non-Synchronous Rectification
- **Input voltage:** DC 5V-30V
- **Output voltage:** DC 0.8V-29V
- Output Current: 5A (over 3A should enhance heat dissipation)
- Conversion efficiency: 95% Maximum
- Switching frequency: 300KHz
- Output ripple: 50mV (max) 20M Bandwidth
- Load regulation: ± 0.5%
- Voltage regulation: ± 2.5%
- Working temperature: -40 °c to +85 °c
- Size: 51 * 26.3 * 14 (L * W * H) (mm)

Features of Meters:

- **Module Name:** current and voltage meter
- Accuracy: 0.1%
- Refresh rate: about 200ms time
- **Display:** Dual 4 0.28 "digital tube
- **Current Range:** 0A-5A
- **Voltage Range:** DC 5V-30V
- Operating current: less than 15mA
- **Display color:** Red
- Storage temperature: -10 °c to +65 °c
- Input impedance: 50 milliohms
- Size: 51 * 26.3 * 10mm

Features:

- This modules use high-quality imported chips, high efficiency (up to 95%), low heat, and it can up to 5A maximum current, in conjunction with the original TI op amp control the output current, the overall output is very stable.This module uses the original Sanyo low ESR filter capacitor,the ripple voltage as low as 50mV!
- This module is adjustable buck module, you can adjust the blue adjustable resistoron the module to change the output voltage. The input must be higher than the output about 1V. The minimum output voltage can be 0.8V.

Battery charging method:

- 1 Make sure you need to charge the battery float voltage and charging current, the input voltage of the module;
- 2 Adjust constant potentiometer, the output voltage is regulated to about 5V.
- 3 Use a multimeter of 10A current to measure the output current of short-circuit current block, while adjusting the constant current potentiometer to make the output current reaches charging current value;
- 4 The charging turn lamp current's default is 0.1 times of the charging current (constant value)
- 5 Adjusting the constant voltage potentiometer to make the output voltage reaches the float voltage;
- 6 connected to the battery, try to charge.
- (1,2,3,4,5 step for powering the module input, the output load do not need to connected to the battery.)
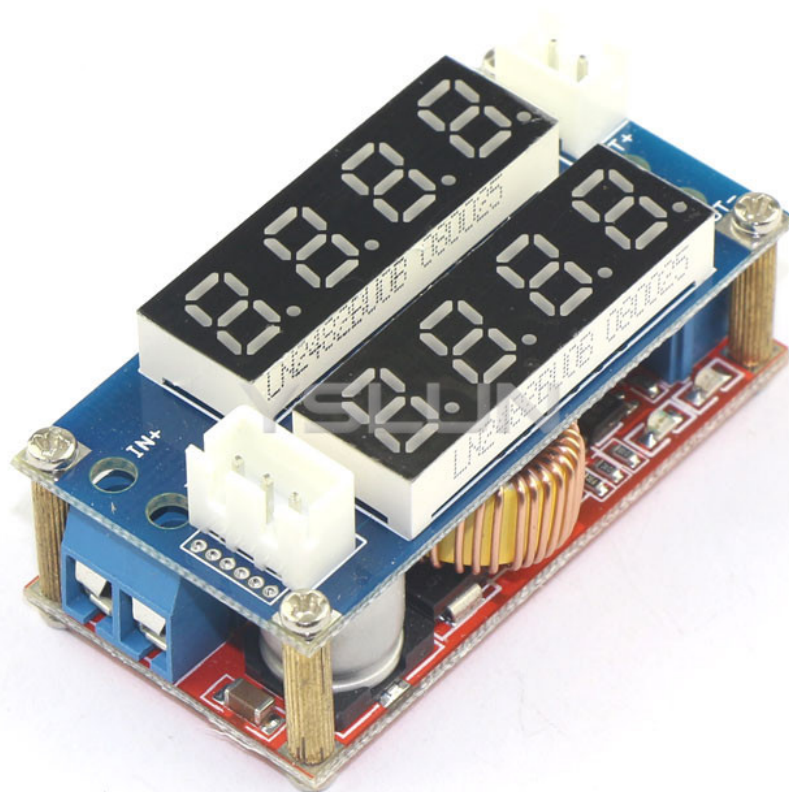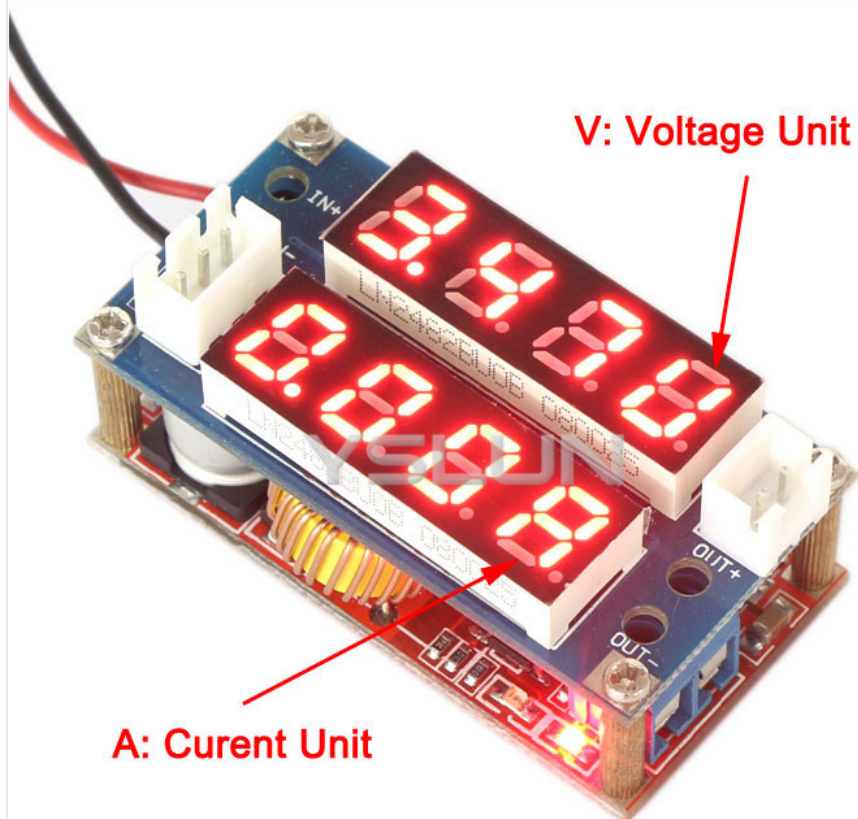
LED constant current drive methods:

- 1 Make sure the LED drive operating current and maximum operating voltage you need;
- 2 Adjust constant potentiometer, the output voltage is regulated to about 5V.
- 3 Use a multimeter of 10A current to measure the output current of short-circuit current block, while adjusting the constant current potentiometer to make the output current reaches LED operating current value;
- 4 Adjusting the constant voltage potentiometer to make the output voltage reaches the float voltage;
- 5 connected to the battery, try to operate.
- (1,2,3,4 step for powering the module input, the output load do not need to connected to the LED.)
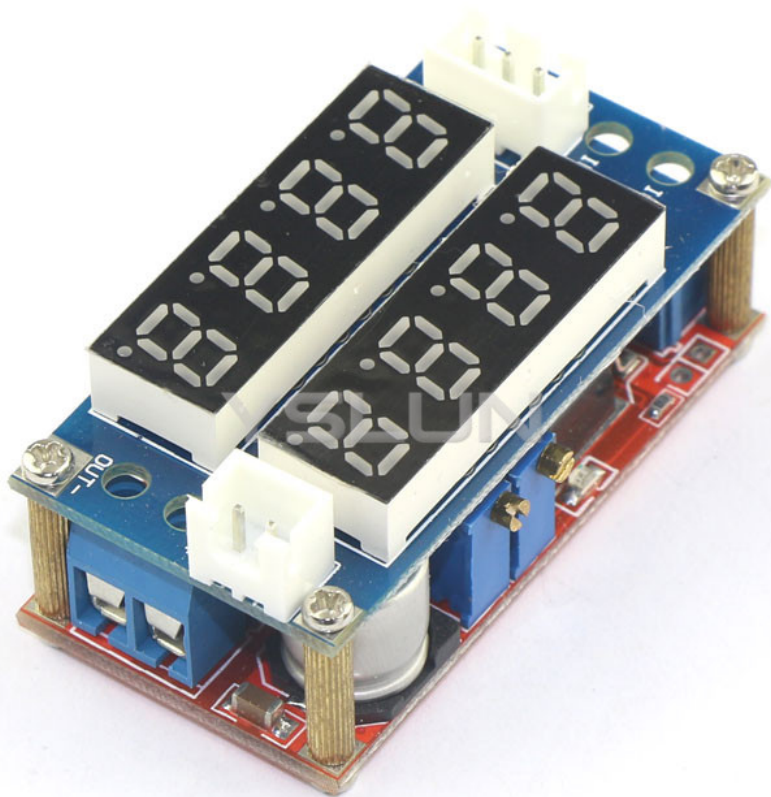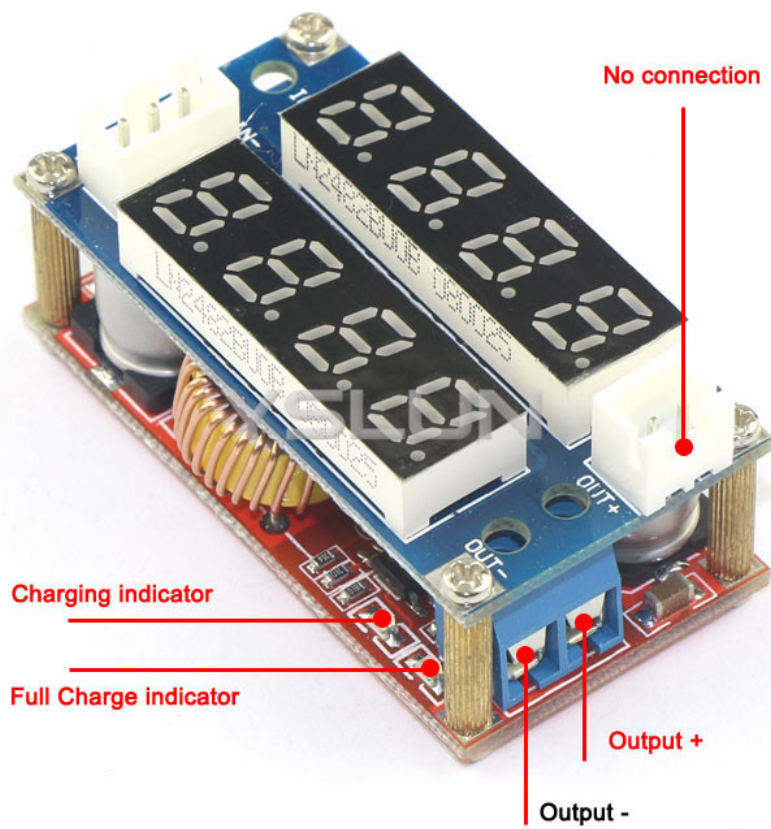
Communication protocol description:

- 1 This module has the computer communication function. Computer can be easily read data of the module's current and voltage,
- 2 As the module output is TTL level, if you want to achieve the communication withcomputer, you need to change the TTL level to the RS232 level which can be recognized by computer.
- 3 protocol as follows:
- Baud Rate: 9600 Bps
- BB CC ADDR 00 XX XX CRC (current return command)
- BB CC ADDR 01 XX XX CRC (voltage returns to the command)
- Among
- BB CC for the header (2 bytes)
- ADDR for the module address (1 byte)
- 00 to read the current command (1 byte)
- 01 is a read voltage command (1 byte)
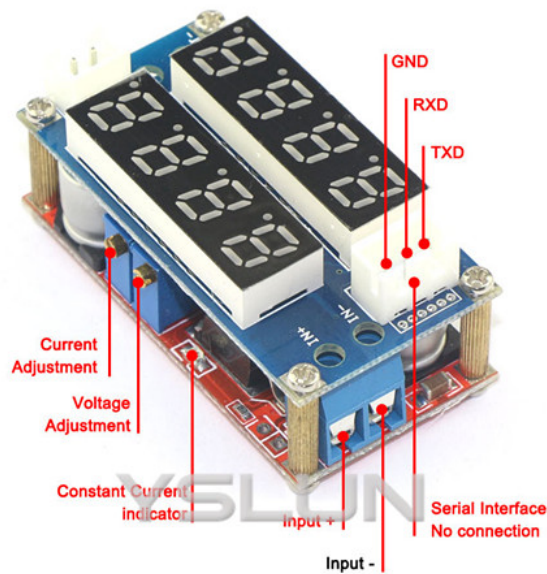- XX XX arbitrary value (2 bytes)
- CRC CRC checksum (1 byte)

Package Include:

- 1 x DC Buck Power Module + **2in1** Volt Amp Panel Meter

V: Voltage Unit

A: Curent Unit

No connection

Charging indicator

Full Charge indicator

Output +

Output -

51mm

26.3mm

IN+

IN-

OUT+

OUT-

R050

GND

RXD

TXD

Current
Adjustment

Voltage
Adjustment

Constant Current
indicator

Serial Interface
No connection

Input +

Input -

IN+

IN-

Charging Lithium-ion battery:
when the Lithium-ion battery low voltage, if constant voltage charging directly,
the voltage pressure will be large different and lead the charging current too
high, this will damage the battery. so it is better to use constant current
charging at first. and auto switch to constant voltage charging when
the battery is ready.

Charging curve as follows: Red current, Blue voltage