

BDD DC/DC BUCK/MPPT SOLAR 5A+DIS

MPPT solar charge control module, 5A, CC/CV, with display, 6-36V

The 5A MPPT Solar Panel Charging Module with Display has a variety of applications including a DIY voltage regulator, charging module for a variety of batteries, step down convertor and power supply for electronic devices.

Note: Detection module, please do not directly connect the output of negative electrode and the input of negative electrode

Specification:

- Module Properties: Non-isolated buck module
- Input voltage: 6-36V DC
- Output voltage: 1.25-32V DC continuously adjustable (the default output 5V)
- MPPT voltage setting range: 6-36V
- Output current range: 0.05-5A (The default output current is 3A)
- Turn lights output range: 0.01-5A (default turn lamp current 0.3A) the current range will be a little difference because the parts parameter error.
- Multifunction double display: input voltage, output voltage, output current
- Operating temperature: -40 to + 85 degree
- Operating frequency: 180KHz
- Conversion efficiency: up to 95% (efficiency, input & output voltage, current and pressure-related)
- Short circuit protection: Yes
- Over temperature protection: (automatically shut off the output after over temperature)
- Input reverse polarity protection: None, (if necessary, please add the string into the diode)
- Output anti-anti-irrigation protection: no, the output must be connected to the battery plus blocking diode, otherwise it will burn the module!
- Charging indicator: charging red, bright green when fully charged. Turn lamp is the output current detection.
- Size: 60 x 31 x 22 mm

Applications:

- DIY a voltage Regulator, with constant current function, Short-circuit proof, can protect the load.
- Power supply for electronic devices.
- For a variety of battery chargers, can observe the state of charge.
- Charger for various types of batteries, with MPPT function, can enhance the charging current to double. With a constant current and prevents battery overcharge, effective protection of the battery.
- Can support high-power LED.

MPPT Value Adjustment
Clockwise – increase output
Counterclockwise – reduce output

Constant Current Adjustment

Output Voltage Adjustment

DC 6-36v

Input +

Input -



DC 1,25-32v

Output +

Output -

Display Adjustment:

Single Press Cycle Through

Input Voltage -> Output Voltage -> Output Current

3 Sec Press -> automatic cycle on info

5 Sec Press -> Voltmeter shutdown

5 Sec Again -> reboot