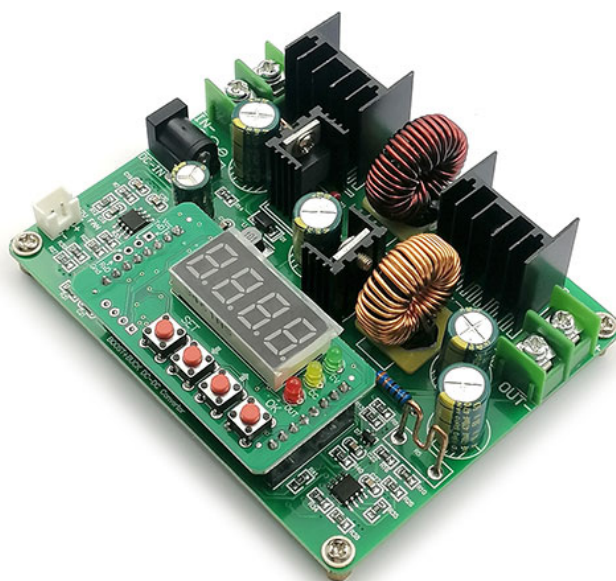


***NC Boost Buck Module
Model:DPS3806 DC-DC***



Outline

Instrument profile

DPS3806DC-DC NC BOOST Buck Module is a digital display of the digital control module, small size, high power, high efficiency, stable. The features of the module is When the input voltage is lower or higher than the output voltage or be equal to the output voltage, the output voltage can be kept stable. Joined the precision measurement of high-speed microcontroller calculations, it can accurately adjust the size of the output voltage and current. Built-in 10 groups of storage locations can be stored at any time, call up parameters, convenient to use. With LED digital tube, it can display parameters as voltage, current, power and capacity. At the same time, this machine has a function of automatic output or automatic display parameters. It can be turned on or off According to need.

The Instrument Characteristics

- 1, The use of advanced microprocessors, can precisely regulated output voltage and current;
- 2, With memory save function, can store 10 groups of parameters, and can be freely stored, transferred out;
- 3, All-digital display, easy to use;
- 4, With a constant voltage, constant current state;
- 5, Using four high-brightness LED, can display the output voltage, current, power and capacity and other parameters in real time;
- 6, Automatic / manual switching display voltage, current, power, capacity and other parameters;
- 7, With the output OUT, constant voltage CV, constant current CC indicator, you can view real-time job status;
- 8, Can be set whether to automatically output after electrify;
- 9, Can be a key to save the voltage and current values for the current setting.

The Technical Specifications

Table 1-1 DPS3806 Technical specifications

Project	Parameters
The modular nature	Non-isolated buck
The input voltage	10V~40V
The output current	0~6A
The output voltage	0~38V
Conversion efficiency	Up to 80%
Working frequency	150KHz
Short circuit protection	Constant
Operating temperature	- 40℃~+85℃
control method	Digital Control + digital display
Voltage Regulator / Display Resolution	0.01V
Power Display minimum resolution	0.001W
Current Regulation / Display Resolution	0.001A
Capacity display a minimum resolution	0.001AH
Output ripple	≤50mV
Weight	116g
External dimensions (length × width × height)	100×80×29(mm)