



الحمادي للإلكترونيات
ALHAMMADI FOR ELECTRONICS

150W Boost Module DC-DC Car Notebook Power Bank 12-32V to 12-35V Adjustable (C6A1)

Product Introduction:

In addition to its own load capacity, it is also affected by various factors such as pre-power supply and post-load supply; The following data is the result of professional equipment, regardless of other factors. The power module is a kind of electronic components, please buy it carefully if you have no electronic expertise. Weight: 65 grams

Module parameters

Module Nature: Non-isolated boost module

MODULE SIZE: LENGTH 65MM * HEIGHT 23MM (WIDTH 56.5MM INCLUDING HEAT SINK)

Input mode: IN+ input positive stage, IN- input negative pole

Output mode: OUT+ output positive stage, OUT-output negative pole

Wiring: solder-free, terminal

Input voltage: 12-32V

Output Voltage: (1) Continuously adjustable (12-35V)

(2) Fixed output (choose between 12-35V)

Output Current: 6A(MAX)

Input current: 10 (MAX) (If it exceeds 10A, please strengthen heat dissipation,)

Output power: natural cooling 100W (MAX), plus fan 150 (MAX)

Easily drive a 65W 90W laptop with dual cores included

With a 12V battery, a laptop with a normal 19V 3.42A module temperature is about 45 degrees

Conversion efficiency: 94% (measured when input 16V output 19V 2.5A) (for reference only)

Operating temperature: industrial grade (-40°C to +85°C) (ambient temperature over 40°C, please reduce the power to use, or add a fan)

Full load temperature rise: 45°C

No-load current: 25mA typical

Short-circuit protection: None (please install an overcurrent protector on the input)

Input Reverse Polarity Protection: None, in-line diode at input

WEIGHT: 70G

Scope of application

- 1) DIY an output adjustable car power supply, only need to connect your 12V power supply at the input, and the output voltage can be adjusted freely and continuously (14-35V), but the output voltage cannot be lower than the input voltage.
 - 2) Universal car notebook power supply. The input is connected to your 12V power supply, and the output is adjusted to your laptop's voltage to work.
 - 3) Boost charger, you can charge batteries higher than 12V with a 12V power supply, such as a 24V battery.
 - 4) To power your electronic devices, as long as the voltage is adjusted to the voltage you need and the current does not exceed the rated current, it can work normally.
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- 5) System pre-power supply, when you are doing a project when the input is 10-18V, and your system board needs about 24V power supply and its power is very large, with ordinary DC-DC module power is too small, then you choose our module will be your best choice, without debugging directly on the machine can work, easy to achieve high efficiency and high power boost

Size: 68 (length) * 37 (width) * 22 (height)