ITEM: 150W DC-DC 10-32V-12-35V-6A

Data sheet：

Module nature: non-isolated step-up module
Module size: length 65MM * high 23MM * (width 56.5MM, including the heat sink)
Input mode: IN + input positive level, IN- input negative
Output mode: OUT + output positive level, OUT- output is negative
Wiring method: no welding, terminals
Input voltage: 10-32V
Output voltage:
(1) continuously adjustable (12-35V) Our default delivery voltage of 19V
(2) fixed output (12-35V between any choice), please inform us at the time of purchase.
Output current: 6A (MAX)
Input current: 10A (MAX) (more than 10A please strengthen the heating)
Output power: natural cooling 100W (MAX), plus fan 150W (MAX)
Easily drive 65W 90W notebooks, including dual-core
With a 12V battery with an ordinary 19V 3.42A laptop module temperature of about 45 degrees
Conversion efficiency: 94% (measured at input 16V output 2.5V) (for reference only)
Operating temperature: Industrial (-40 ° C to + 85 ° C) (ambient temperature exceeds 40 °, please reduce the use of power or fan)
Full load temperature rise: 45 C°
No-load current: 25mA typical
Short circuit protection: None (Please install overcurrent protector at input)
Input Reverse Connection: None, Input Series Diodes
The following with the "
Applicable scope
1) DIY adjustable output car power, only need to enter 12V power supply, the output voltage can be (14-35V) free continuous adjustment, but the output voltage can not be lower than the input voltage Oh.
2) General Motors laptop power supply. Enter the power to your 12V power supply and adjust the output to your notebook.
3) boost charger, you can use 12V power supply for more than 12V battery charging, such as 24V battery.
4) Power your electronic equipment as long as the voltage and current of the regulator do not need to exceed the rated current to work properly.
5) System front-end power supply, when you do a project input 10-18V time, and your system board needs 24V power supply, the power is very large, with ordinary DC-DC module power supply, and then select our module will Is your best choice, do not have to work directly on the machine debugging, easy to achieve efficient high-power upgrade.