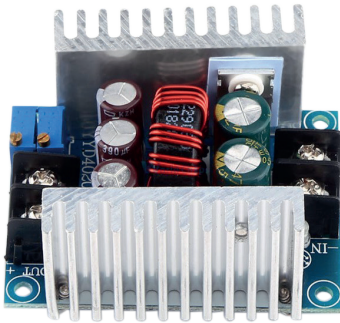

DCDC-RED200-10A
200W step down module



This is a high-performance switching buck module with 10A current.

Specifications

Item	Value	Remarks
Description	Step-down (buck)	
Power	200W	Input max.
Input range	6V ~ 40V	
Output range	1.2V ~32	
Output current	0 ~ 10A	
Working temperature	-40°C ~ +85°C	If working temperature is higher than 40°C working power should be reduced or heat dissipation should be improved
Conversion efficiency	<95%	The smaller the difference between the input and output ioltage, the higher the efficiency
Dimensions	60 x 53 x 27 mm	
Weight	83.14g	
Connection mode	Terminals	
IP	IP20	
Shortcircuit protection	Yes	Protected against instantaneous shortcircuits. Shortcircuit should not be maintained for more than a few seconds.
Input reverse polarity protection	No	
Temperature protection	No	
Input current (peak)	12A	

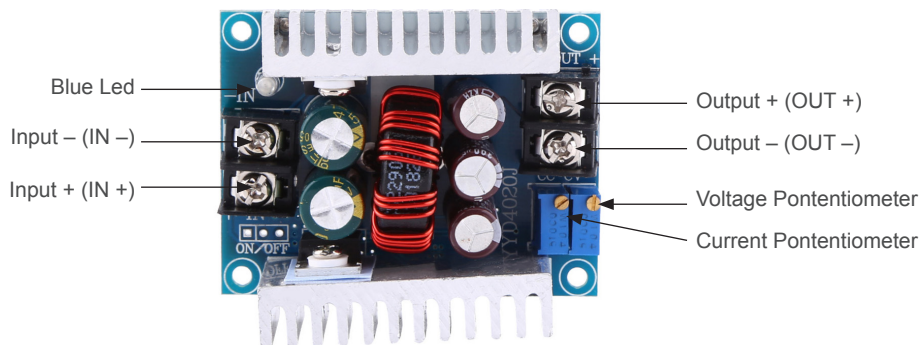
DCDC-RED200-10A
200W step down module

Operation

Input		Output		P(in)	P(out)	Efficiency
V (V)	I (Ah)	V (V)	I (Ah)	W	W	%
40.00	5.10	32.46	6.00	204.00	194.80	95
40.00	3.24	11.94	10.00	129.60	119.40	92
40.00	1.427	4.79	10.00	57.08	47.90	84
40.00	0.994	3.07	10.00	39.76	30.70	77
36.00	4.90	23.85	7.00	176.40	166.95	95
36.00	3.54	11.72	10.00	127.44	117.20	92
36.00	1.57	4.806	10.00	56.52	47.90	85
36.00	1.088	3.10	10.00	39.17	31.00	79
24.00	5.80	11.79	10.00	140.40	129.70	92
24.00	2.60	4.82	11.00	62.40	53.02	85
24.00	11.94	3.09	12.00	46.56	37.08	79
12.00	5.69	4.85	12.00	68.28	58.20	85

Note: do not perform the conversion from 40 to 24V.

Use mode



- First, turn the potentiometer counterclockwise to lower the output voltage. Then connect the source.
- Do not exceed the input power limits.
- Do not exceed the current output limits.
- Do not short-circuit the input and output connectors.
- Set output voltage before connecting load.
- Do not reverse polarity of the input and output connectors.

Warning!

To prevent fire shock hazard do not expose this appliance to rain or moisture.

Always place the converter in an environment which is:

- Well ventilated.
- Not exposed to direct sunlight or heat source.
- Out of reach from children.
- Away from water/moisture, oil or grease.
- Away from any flammable substance.
- Secure and no risk of falling.