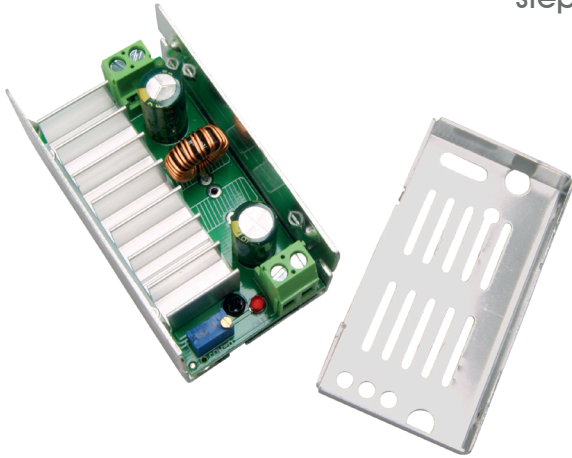


DCDC-EL130-7A step up module



This is a high-performance switching boost module with 7A current.

The module is the second generation of high-frequency switching technology and uses B20100G core chip.

Specifications

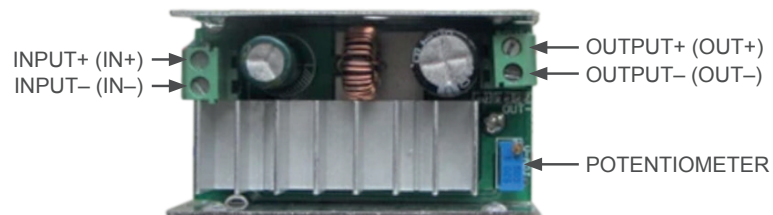
Item	Value	Remarks
Description	Step-up (BOOST)	
Power	130W	Input max. 200W with heatsink
Input range	6 ~ 35V	
Output range	6 ~ 53V	
Output current	0 ~ 7A	
Working temperature	-40°C ~ +85°C	If working temperature is higher than 40°C working power should be reduced or heat dissipation should be improved.
Conversion efficiency	93%	The smaller the difference between the input and output voltage, the higher the efficiency
Dimensions	70x39x32mm	
Weight	64.85g	
Connection mode	Terminals	
Waterproof	IP20	
Shortcircuit protection	No	Fuses and protection circuits must be installed on the input side
Input reverse polarity protection	No	A protection diode must be installed on the input side
Output ripple	2% (max)	The higher the voltage or the current, the greater the ripple
Load regulation	± 0.5%	
Voltage regulation	± 0.5%	

DCDC-EL130-7A
step up module

Operation

Input		Output		P(in)	P(out)	Efficiency
V (V)	I (Ah)	V (V)	I (Ah)	W	W	%
6.00	4.18	53.50	0.06	25.08	3.21	12.80
12.02	8.72	23.32	4.00	104.81	93.28	89.00
12.02	6.78	47.80	1.50	81.45	71.70	88.03
24.00	5.29	47.57	2.50	126.96	118.93	93.67
13.02	9.72	16.20	7.00	126.55	113.40	89.61

Use mode



- First, turn the potentiometer clockwise to raise 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 connections.
- Do not reverse polarity of the input and output connections.
- Set output voltage before connecting load.

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.