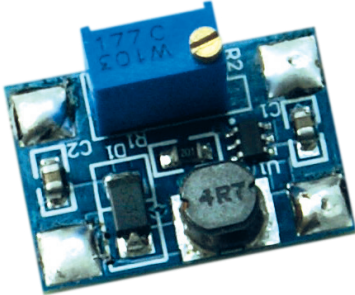


**DCDC-EL25-0.7A**  
**25W** step up module



This is a high-performance switching boost and buck module with 1.1A current.

The module is the second generation of high-frequency switching technology and uses SX1308 core chip.

### Specifications

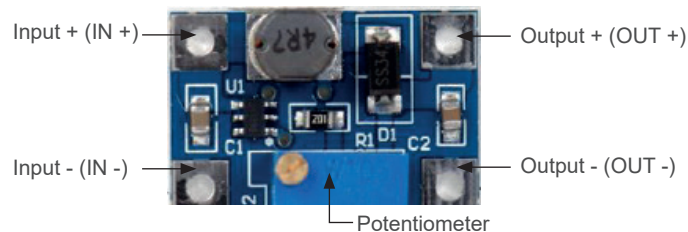
Item	Value	Remarks
Description	Step-up (boost)	
Power	25W	Input max.
Input range	2 ~ 24 V	
Output range	2 ~ 28 V	
Output current	0 ~ 1.1 A	
Working temperature	-40°C ~ +85°C	If working temperature is higher than 40°C working power should be reduced or heat dissipation should be improved
Conversion efficiency	<96%	The smaller the difference between the input and output voltage, the higher the efficiency
Dimensions	23*16.3*15 mm	
Weight	2.59 g	
Connection mode	Welding	4x4mm pads with a via diameter of 1mm.
Waterproof	IP20	
Shortcircuit protection	Si	SS34 diode.
Input reverse polarity protection	No	A protection diode must be installed on the input side
Load regulation	± 0.5%	
Voltage Regulation	± 0.5%	

## Operation

Input		Output		P(in)	P(out)	Efficiency
V (V)	I (Ah)	V (V)	I (Ah)	W	W	%
2	1.49	2	1	2.98	2.00	67%
2	1.13	3.29	0.5	2.26	1.65	73%
2	1.4	5	0.4	2.80	2.00	71%
2	0.81	12	0.1	1.62	1.20	74%
2.5	1.24	12	0.2	3.10	2.40	77%
3	2.23	4.89	1	6.69	4.89	73%
3.3	2.22	4.87	1.1	7.33	5.36	73%
3.3	1.31	11.99	0.3	4.32	3.60	83%
3.3	0.918	23.98	0.1	3.03	2.40	79%
3.3	1.126	27.65	0.1	3.72	2.77	74%
5	1.96	11.82	0.7	9.80	8.27	84%
5	1.12	24	0.2	5.60	4.80	86%
5	1.34	27.68	0.2	6.70	5.54	83%
12	1.3	24	0.6	15.60	14.40	92%
12	1.03	27.88	0.4	12.36	11.15	90%
24	0.983	28.17	0.8	23.59	22.54	96%
24	1.108	28.13	0.9	26.59	23.52	95%
24	1.23	28.08	1	29.52	28.08	95%

\*Not valid for conversion from 2 to 24 V.

## Use mode



- First, turn the potentiometer 15 turns counterclockwise 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.