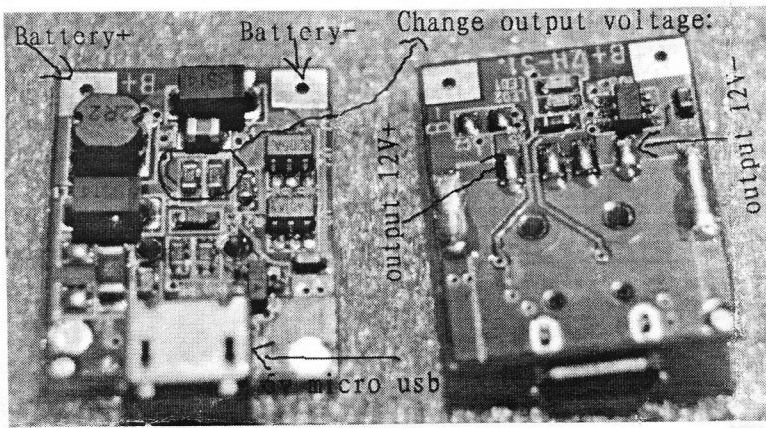


# User's manual



Dimensions: 46 x 35 x 7mm, Input voltage: 2.6-4.2V, Output voltage: 12V 300MA, Charging end voltage: 4.2V  
Discharge end voltage: 2.6V ( it is suitable for common lithium-ion batteries, such as the common 18650 )  
Charging voltage: 5-7V, Conversion efficiency: 90%@ input 3.7V output 12V200mA, Charging current (MAX): 400MA @  
BAT = 2.8V,input 5v., Red led: Light ON = charging,Light off = stop charging.  
Blue LED:Light ON = battery voltage is greater than 4.25V,Light off = voltage is less than 4.2V  
Change output voltage:Adjust R3 and R4 resistor's resistance, they are 0603 package sizes, determined through R3 and R4,  
the ratio of the output voltage. Output voltage =  $(R3/R4+1) * 0.6V$   
No instead, b + and b-. When you first connect the battery requires charging, other wise may not have the output, of course,  
you can also use and output negative terminal, short circuit contacts 1 sec, will also activate the output.  
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