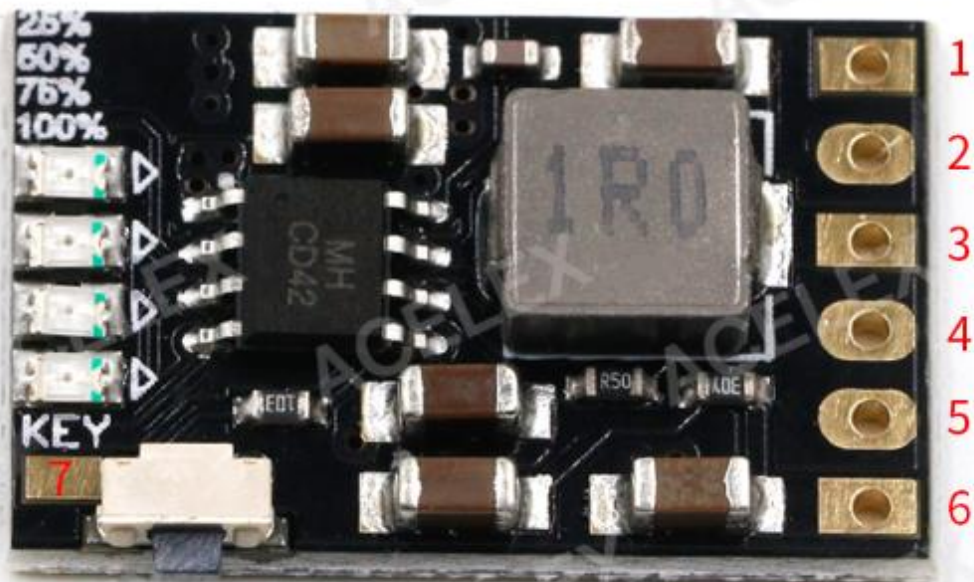


- Charging voltage: DC 4.5V-5.5V (recommended DC 5V).
- Charging current : 0-2.1A
- Charging quiescent current: 100uA
- Full voltage: 4.2V+-1%.
- Discharge current: 0-3.5A;
- Discharge quiescent current: 50uA
- Discharge efficiency: 96% maximum
- Output voltage: 5V
- Output current: 0-2.1A;
- Ambient temperature: -20° to +85°
- Module with lithium battery protection function (for lithium battery without protection, with protection board).
- Overcurrent protection (OCP).
- Overvoltage protection (OVP).
- Short circuit protection (SCP).
- Over temperature protection (OTP).
- Charge and discharge power level 4 interval indication.

1. VIN : Charging port is input+(DC4.5V-5.5V (recommended DC 5V);
2. GND : Charging port is input-;
3. GND : Lithium battery-;
4. BAT : Lithium battery+;
5. GND : Output negative output-;
6. VOUT: Output positive output+;
7. KEY : Output enable trigger port (low pulse trigger).



When the module is charging, the output will switch the external power supply (it will be powered off for 0.3s). The charging output voltage will be less than  $>4.7/<5V$ , depending on the charger load capacity!  
Trigger mode: low level trigger (ground).

Connect the user of the single-chip microcomputer, if the small load KEY can be connected to the single-chip 20S to give a low level, the module can continue to work.

Charging mode				
Batter level	D1	D2	D3	D4
$C < 25\%$	Falshing	OFF	OFF	OFF
$25\% < C < 50\%$	ON	Falshing	OFF	OFF
$50\% < C < 75\%$	ON	ON	Falshing	OFF
$C \geq 75\%$	ON	ON	ON	Falshing
100% thousand C	ON	ON	ON	ON

Discharge mode				
atter level	D1	D2	D3	D4
$0\% < C < 3\%$	Falshing	OFF	OFF	OFF
$3\% < C < 25\%$	ON	OFF	OFF	OFF
$25\% < C < 50\%$	ON	ON	OFF	OFF
$50\% < C < 75\%$	ON	ON	ON	OFF
$C \geq 75\%$	ON	ON	ON	ON