

| Protection Circuit Module Specifications For6.4V(2S) LI-ion Battery Pack |                                                                           |                                        |                            |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------|----------------------------|
| Model: PCM-L02S05-D79 (2S)                                               |                                                                           |                                        |                            |
| No.                                                                      | Test item<br>(Test at normal temperature 25±2℃ and relative humidity≤90%) |                                        | Criterion                  |
| 1                                                                        | Voltage                                                                   | Charging voltage                       | DC:8.4V CC/CV (4.2V/1Cell) |
| 2                                                                        | Design                                                                    | Design Capacity                        | mA                         |
| 3                                                                        | Current                                                                   | Current consumption(software)          | <600uA                     |
|                                                                          |                                                                           | Current consumption(sleep mode)        | <100uA                     |
|                                                                          |                                                                           | Maximal continuous charging current    | 5A                         |
|                                                                          |                                                                           | Maximal continuous Discharging current | 5A                         |
| 4                                                                        | Over Current Protection                                                   | OCC1 Threshold                         | 10000mA                    |
|                                                                          |                                                                           | OCC1 Delay                             | 2s                         |
|                                                                          |                                                                           | OCC2 Threshold                         | 12000mA                    |
|                                                                          |                                                                           | OCC2 Delay                             | 1s                         |
|                                                                          |                                                                           | OCD1 Threshold                         | 10000mA                    |
|                                                                          |                                                                           | OCD1 Delay                             | 2s                         |
|                                                                          |                                                                           | OCD2 Threshold                         | 12000mA                    |
|                                                                          |                                                                           | OCD21 Delay                            | 2s                         |
| 5                                                                        | Over charge protection                                                    | COV Threshold Low Temp                 | 4.25V±0.05V                |
|                                                                          |                                                                           | COV Threshold Standard Temp            | 4.25V±0.05V                |
|                                                                          |                                                                           | COV Threshold High Temp                | 4.25V±0.05V                |
|                                                                          |                                                                           | COV Threshold Rec Temp                 | 4.25V±0.05V                |
|                                                                          |                                                                           | COV Delay                              | 2S                         |
|                                                                          |                                                                           | COV Recovery Low Temp                  | 4.10V±0.05V                |
|                                                                          |                                                                           | COV Recovery Standard Temp             | 4.10V±0.05V                |
|                                                                          |                                                                           | COV Recovery High Temp                 | 4.10V±0.05V                |
|                                                                          |                                                                           | COV Recovery Rec Temp                  | 4.10V±0.05V                |
| 6                                                                        | Over discharge Protection                                                 | CLV Threshold                          | 2.50V±0.05V                |
|                                                                          |                                                                           | CLV Delay                              | 2S                         |
|                                                                          |                                                                           | CLV Recovery                           | 2.50V±0.05V                |
|                                                                          |                                                                           | CLVC Threshold                         | 2.50V±0.05V                |
|                                                                          |                                                                           | CLVC Delay                             | 2S                         |
|                                                                          |                                                                           | CLVC Recovery                          | 3.00V±0.05V                |
| 7                                                                        | Over Temperature protection                                               | OTC Threshold                          | +60℃±3℃                    |
|                                                                          |                                                                           | OTC Delay                              | 2S                         |
|                                                                          |                                                                           | OTC Recovery                           | +55℃±3℃                    |
|                                                                          |                                                                           | OTD Threshold                          | +60℃±3℃                    |
|                                                                          |                                                                           | OTD Delay                              | 2S                         |
|                                                                          |                                                                           | OTD Recovery                           | +55℃±3℃                    |
|                                                                          |                                                                           | OTF Threshold                          | +139℃±5℃                   |
|                                                                          |                                                                           | OTF Delay                              | 2S                         |
|                                                                          |                                                                           | OTF Recovery                           | +139℃±5℃                   |
|                                                                          |                                                                           | UTC Threshold                          | 0℃±3℃                      |
|                                                                          |                                                                           | UTC Delay                              | 2S                         |
|                                                                          |                                                                           | UTC Recovery                           | 3℃±3℃                      |
|                                                                          |                                                                           | UTD Threshold                          | -30℃±3℃                    |
|                                                                          |                                                                           | UTD Delay                              | 2S                         |
|                                                                          |                                                                           | UTDRecovery                            | -15℃±5℃                    |
| 8                                                                        | secondary protection,<br>battery .overcharge<br>protection.               | CELL                                   | 4.45V±0.1V                 |
| 9                                                                        | Short protection                                                          | Detection condition                    | P+,P- Short Circuit        |
|                                                                          |                                                                           | Detection delay time                   | 200-500us                  |
|                                                                          |                                                                           | Release condition                      | Cut load                   |
| 10                                                                       | Resistance                                                                | Protection circuitry                   | ≤50mΩ                      |
| 11                                                                       | Temperature                                                               | Operating Temperature Range            | -30~+85℃                   |
|                                                                          |                                                                           | Storage Temperature Range              | -40~+125℃                  |

  

P+=Charge+/Discharge+
Battery1

P- =Charge-/Discharge-
Battery2

SCL=Clock Line  
SDA=Data Line  
10K NTC  
PCM-L02S05-D79  
54\*12mm  
ID  
PRES  
SDA  
SCL  
图片仅供参考

maka: 农善朋

Audit:

Approval: