## Protection Circuit Module Specifications For 6.4V LiFePO4 Battery Packs

**Model: PCB-LFP6V6A-V2**

<table>
<thead>
<tr>
<th>No.</th>
<th>Test item (Ta=25°C)</th>
<th>Criterion</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Voltage</td>
<td>Charging voltage DC: 7.2V CC/CV</td>
</tr>
</tbody>
</table>
| 2   | Current             | Current consumption ≤20 μA  
Maximal continuous discharging current 5.0A |
| 3   | Over charge Protection | Over charge detection voltage 3.90 V ±0.025 V  
Over charge detection delay time 0.3S—2S  
Over charge release voltage 3.50 V ±0.03V |
| 4   | Over discharge protection | Over discharge detection voltage 2.00 V ±0.05V  
Over discharge detection delay time 30—300ms  
Over discharge release voltage 2.50 V ±0.10V |
| 5   | Over current protection | Over current detection voltage 0.2 V ±0.01V  
Over current detection current 13±2A  
Detection delay time 2ms—20ms  
Release condition Cut load |
| 6   | Short protection    | Detection condition Exterior short circuit  
Detection delay time 80-600us  
Release condition Cut load |
| 7   | Resistance          | Protection circuitry ≤40mΩ |
| 8   | Temperature         | Operating Temperature Range -40~+85℃  
Storage Temperature Range -40~+125℃ |

Protection IC: S-8252AAJ-M6T1U  
MOSFET: AO8814

P+ = Charge+/Discharge+  
P- = Charge-/Discharge-  
SIZE: L33*W14.7mm