

## BMS Specifications For 5S /18.5V Li-ion Battery Pack

**Model: BMS-5S12LIWH604**

No.	Test item	Criterion	
1	Voltage	Charging voltage	DC:21V CC/CV
		Balance voltage for single cell	4.2V
2	Current	Balance current for single cell	62mA $\leq$ $\pm$ 5mA
		Current consumption for single cell	$\leq$ 15 $\mu$ A
		Maximal continuous charging current	12A
		Maximal continuous Discharging current	12A
3	Over charge Protection	Over charge detection voltage	4.325V $\pm$ 0.025V
		Over charge testing delay time	1.2s
		Over charge release voltage	4.075V $\pm$ 0.025V
4	Over discharge protection	Over discharge detection voltage	2.5V $\pm$ 0.05V
		Over discharge delay time	144ms
		Over discharge release voltage	2.9v $\pm$ 0.01V
5	Over current protection	Over current testing voltage	150mv $\pm$ 15mV
		Over current detection current	30A $\pm$ 1A
		Over current delay time	9MS
		Release condition	Cut load, Automatic Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	$\leq$ 320us
		Release condition	Cut load, Automatic Recovery
7	Resistance	Protection circuitry (MOSFET)	$\leq$ 8m $\Omega$
8	Temp protection	Over temp cut	64°C $\leq$ $\pm$ 5°C
		Temp recovery	43°C $\leq$ $\pm$ 5°C
9	Temperature	Operating Temperature Range	-40~+60°C
		Storage Temperature Range	-40~+125°C
10	Size		L60*W40*T10mm
11	Weight		10g

**BMS solder instruction:**

B - connected battery negative;

P- Charge/discharge negative end

B1 Connect the point between battery 1 and battery 2

B2 Connect the point between battery 2 and battery 3

B3 Connect the point between battery 3 and battery 4

B4 Connect the point between battery 4 and battery 5

B5 connect to battery positive end

