

Testing Date	22-Oct-20
Ambient Temperature	26 ± 2°C
Document No.	KST-PV04S1P-SGA-01

Li-ion 14.4V 3.45Ah Battery Pack



Battery Pack Specifications

Cell Model	Sanyo NCR18650GA
Configuration	1P4S
Nominal Capacity	3.45Ah
Minimum Capacity	3.35Ah
Nominal Voltage	14.4V
Nominal Energy Content	49.68Wh
Charge Voltage	16.8V
Standard Charge Current	1.0A
Max. Charge Current	1.5A
Max. Continuous Discharge Current	8A
Peak Discharge Current	15A
Discharge Cut-off Voltage	10V
Gross Weight (Approx.)	200g
Dimensions	37×37×71mm
Charge Connector	JST VHR-2N
Discharge Connector	JST VHR-2N
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

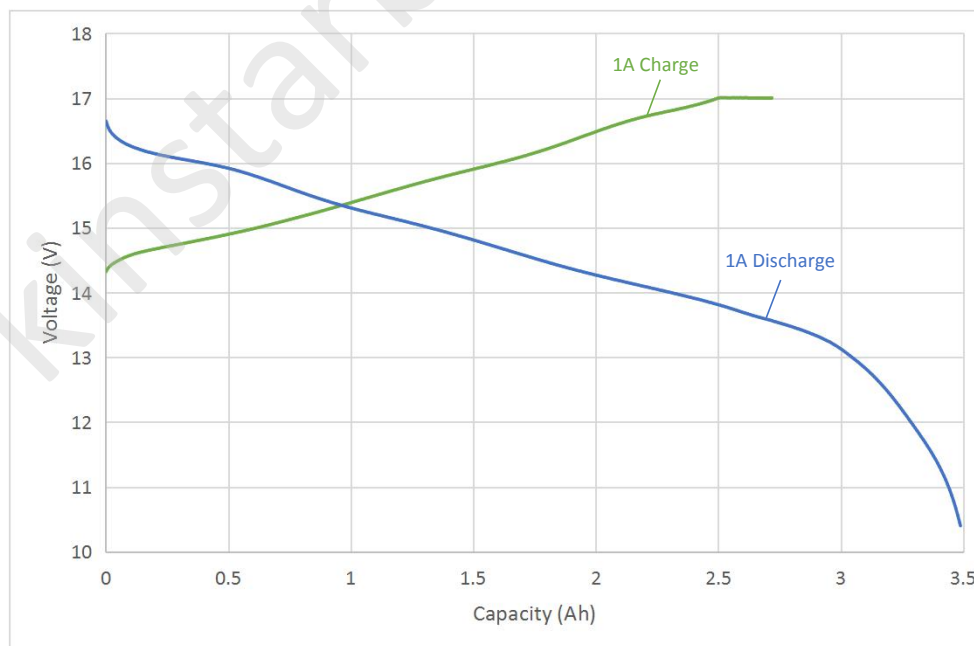
BMS Specifications

Number Of Cluster	4S
Charge And Discharge Port	Same
Max. Allowed Charge Current	8A
Max. Continuous Discharge Current	8A
Overcharge Protection Voltage	17 ± 0.125V
Overdischarge Protection Voltage	10 ± 0.3V
Overload Protection Current	15 ± 5A
Overheat Protection Temperature	N/A
External Shortcircuit Protection	Available

Test Conditions and Results

Test	Conditions	Test Result
1A Discharge To	10.4V	3488mAh

Typical discharge profiles (1A - 0.3C rate)



Preliminary specifications, performance may vary depending on use conditions and application.
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