

Testing Date	14-Oct-20
Ambient Temperature	26 ± 2°C
Document No.	KST-PV05S1P-SSL-01

Li-ion 18V 3.5Ah Battery Pack



Battery Pack Specifications

Cell Model	GA VS 35E VS MJ1
Configuration	1P5S
Nominal Capacity	3.45Ah
Minimum Capacity	3.35Ah
Nominal Voltage	18V
Nominal Energy Content	62Wh
Charge Voltage	21V
Standard Charge Current	1.0A
Max. Charge Current	1.5A
Max. Continuous Discharge Current	6A
Peak Discharge Current	12A
Discharge Cut-off Voltage	12.5V
Gross Weight (Approx.)	250g
Dimensions	94×20×71mm
Charge Connector	JST VHR-2N
Discharge Connector	JST VHR-2N
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

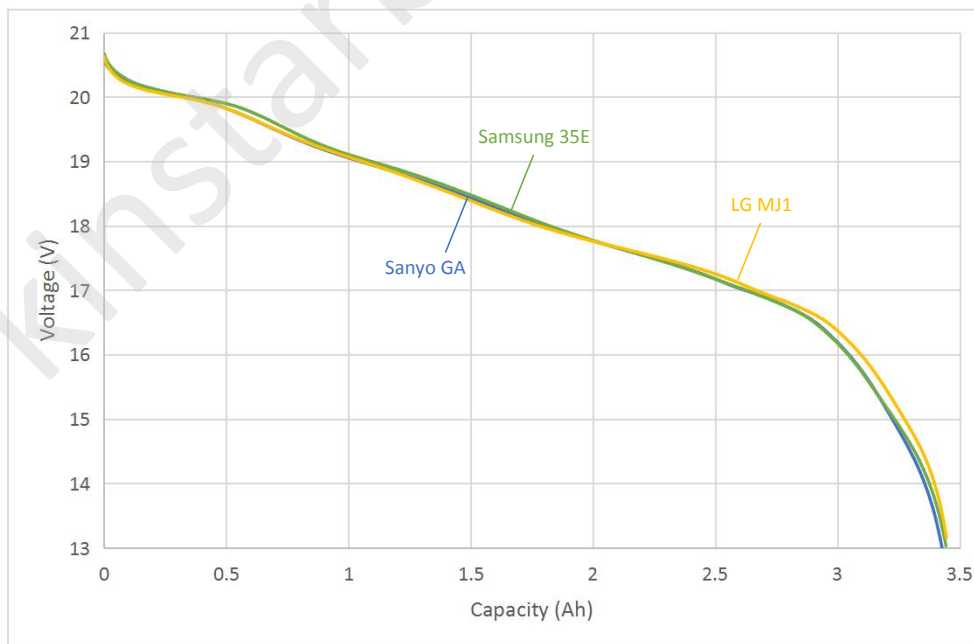
BMS Specifications

Number Of Cluster	5S
Charge And Discharge Port	Same
Max. Allowed Charge Current	8A
Max. Continuous Discharge Current	8A
Overcharge Protection Voltage	21.25 ± 0.3V
Overdischarge Protection Voltage	12.5 ± 0.125V
Overload Protection Current	15 ± 5A
External Shortcircuit Protection	Available

Cell Discharge Current Test Result

Cell	Discharge Current	Test Result
GA	1A	3427mAh
35E	1A	3443mAh
MJ1	1A	3444mAh

Typical discharge profiles (1A - 0.3C rate)



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