

Testing Date	3-Nov-20
Ambient Temperature	26 ± 2°C
Document No.	KST-PV05S2P-35E-01

## Li-ion 18V 6.8Ah Battery Pack



### Battery Pack Specifications

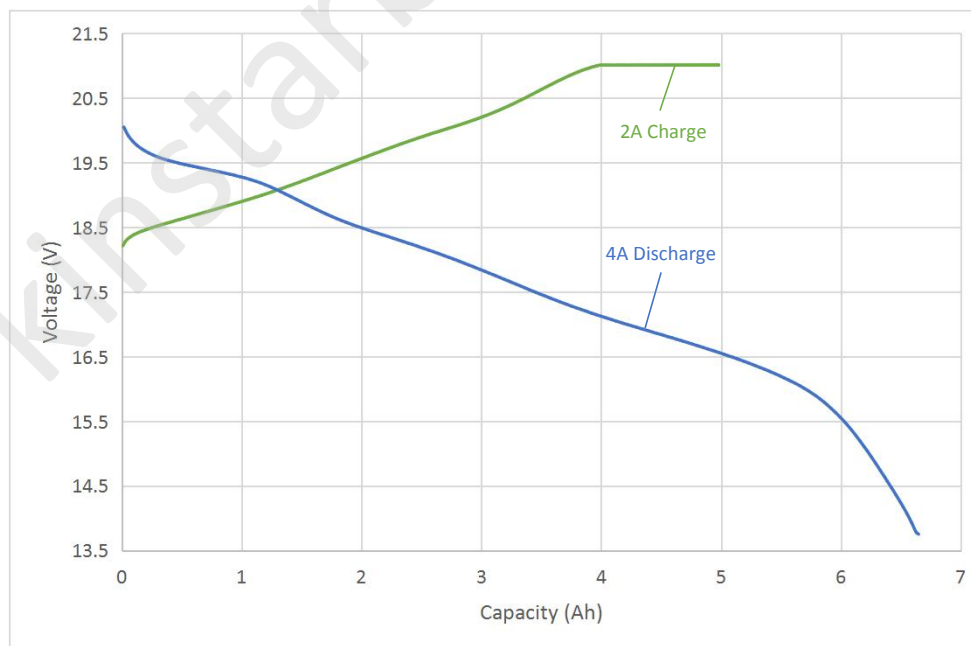
Cell Model	Samsung INR18650-35E
Configuration	2P5S
Nominal Capacity	6.8Ah
Minimum Capacity	6.7Ah
Nominal Voltage	18V
Nominal Energy Content	122.4Wh
Charge Voltage	21V
Standard Charge Current	1.36A
Max. Charge Current	3.4A
Max. Continuous Discharge Current	4A
Peak Discharge Current	8A
Discharge Cut-off Voltage	12.5V
Gross Weight (Approx.)	520g
Dimensions	94×40×73mm
Charge Connector	N/A
Discharge Connector	N/A
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	4A
Max. Continuous Discharge Current	4A
Overcharge Protection Voltage	21.25 ± 0.3V
Overdischarge Protection Voltage	12.5 ± 0.125V
Overload Protection Current	10 ± 2A
Overheat Protection Temperature	N/A
External Shortcircuit Protection	Available

Test	Conditions	Test Result
4A Discharge To	13.75V	6647mAh

### Typical discharge profiles (4A - 0.6C rate)



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