

Testing Date	10-Oct-19
Ambient Temperature	32 ± 2°C
Document No.	KST-PV10S4P-NSE-01

**Li-ion 36V 10Ah Battery Pack**



**Battery Pack Specifications**

Cell Model	KinStar INR18650SE
Configuration	4P10S
Nominal Capacity	10Ah
Minimum Capacity	9.8Ah
Nominal Voltage	36V
Nominal Energy Content	360Wh
Charge Voltage	42V
Standard Charge Current	2A
Max. Charge Current	4A
Max. Continuous Discharge Current	15A
Peak Discharge Current	40A
Discharge Cut-off Voltage	27.5V
Gross Weight (Approx.)	2.10KG
Dimensions	73×120×140mm
Charge Connector	Female DC5521
Discharge Connector	30A Anderson
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

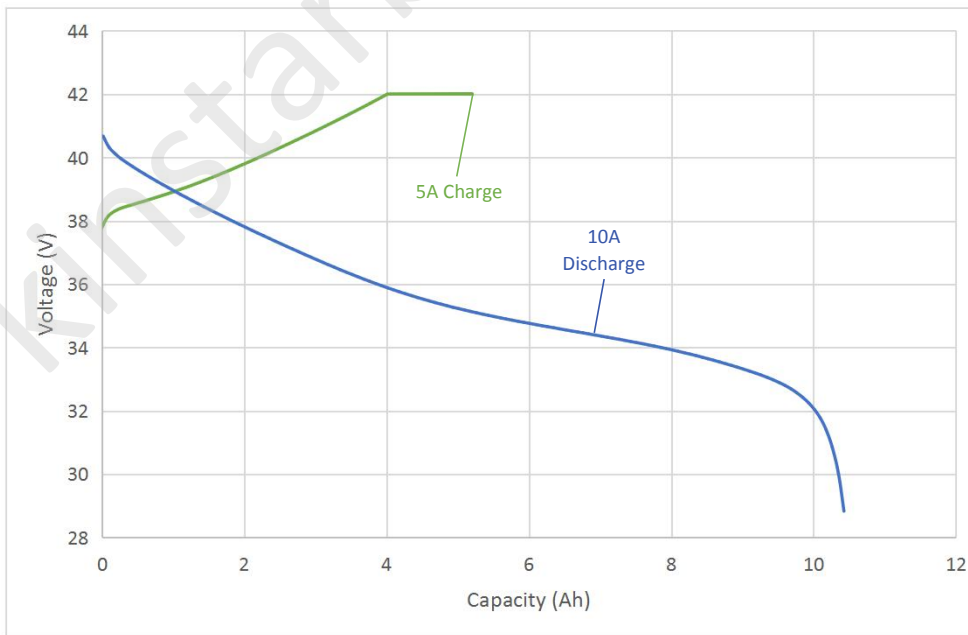
**BMS Specifications**

Number Of Cluster	10S
Charge And Discharge Port	Different
Max. Allowed Charge Current	5A
Max. Continuous Discharge Current	18A
Overcharge Protection Voltage	42.75 ± 0.25V
Overdischarge Protection Voltage	27.5 ± 0.5V
Overload Protection Current	50 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

**Test Conditions and Results**

Test	Conditions	Test Result
10A Discharge To	27.5V	10.428Ah

**Typical discharge profiles (10A - 1C rate)**



Preliminary specifications, performance may vary depending on use conditions and application. KinStar makes no warranty explicit or implied with this test report. Contents subject to change without notice.