

Testing Date	2-Apr-16
Ambient Temperature	22 ± 2°C
Document No.	KST-PV10S6P-NUE-01

Li-ion 36V 15.6Ah Battery Pack



Battery Pack Specifications

Cell Model	KinStar INR18650UE
Configuration	6P10S
Nominal Capacity	15.6Ah
Minimum Capacity	15Ah
Nominal Voltage	36V
Nominal Energy Content	561.6Wh
Charge Voltage	42V
Standard Charge Current	3A
Max. Charge Current	6A
Max. Continuous Discharge Current	25A
Peak Discharge Current	50A
Discharge Cut-off Voltage	27.5V
Gross Weight (Approx.)	3.15KG
Dimensions	72×130×220mm
Charge Connector	Female XT60
Discharge Connector	Female XT60
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

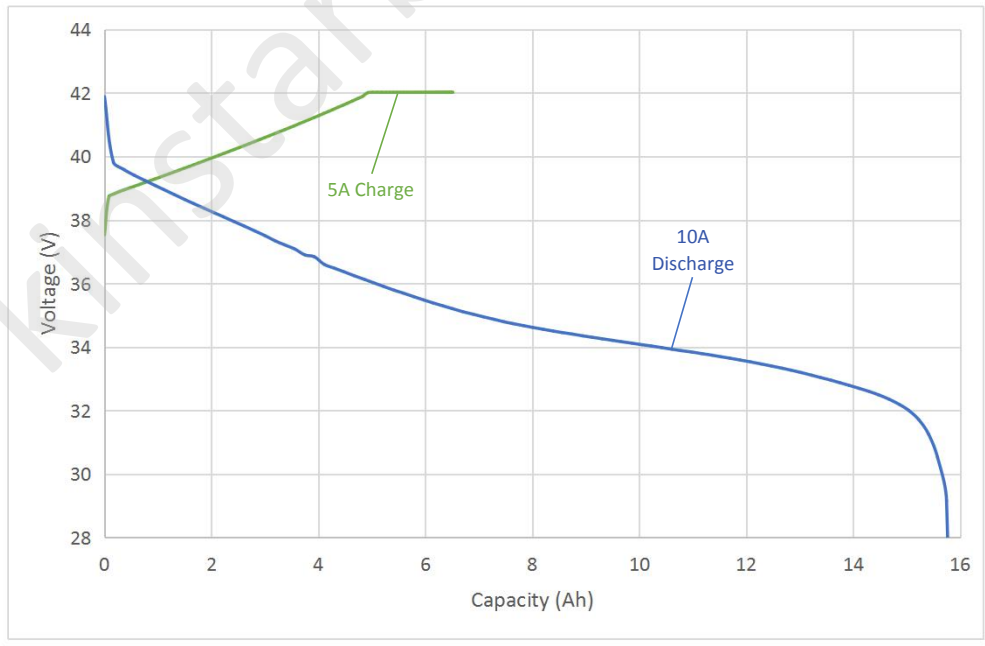
BMS Specifications

Number Of Cluster	10S
Charge And Discharge Port	Same
Max. Allowed Charge Current	25A
Max. Continuous Discharge Current	25A
Overcharge Protection Voltage	42.5 ± 0.25V
Overdischarge Protection Voltage	25.0 ± 0.80V
Overload Protection Current	55 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test Conditions and Results

Test	Conditions	Test Result
10A Discharge To	28.0V	15.885Ah

Typical discharge profiles (10A - 0.64C 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.