

Testing Date	29-Mar-18
Ambient Temperature	22 ± 2°C
Document No.	KST-PV10S5P-MH1-01

Li-ion 36V 16Ah Battery Pack



Battery Pack Specifications

Cell Model	LG INR18650 MH1
Configuration	5P10S
Nominal Capacity	16Ah
Minimum Capacity	15.5Ah
Nominal Voltage	36V
Nominal Energy Content	576Wh
Charge Voltage	42V
Standard Charge Current	3A
Max. Charge Current	5A
Max. Continuous Discharge Current	20A
Peak Discharge Current	40A
Discharge Cut-off Voltage	27.5V
Gross Weight (Approx.)	2.60KG
Dimensions	72×145×150mm
Charge Connector	Female DC5521
Discharge Connector	30A Anderson
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

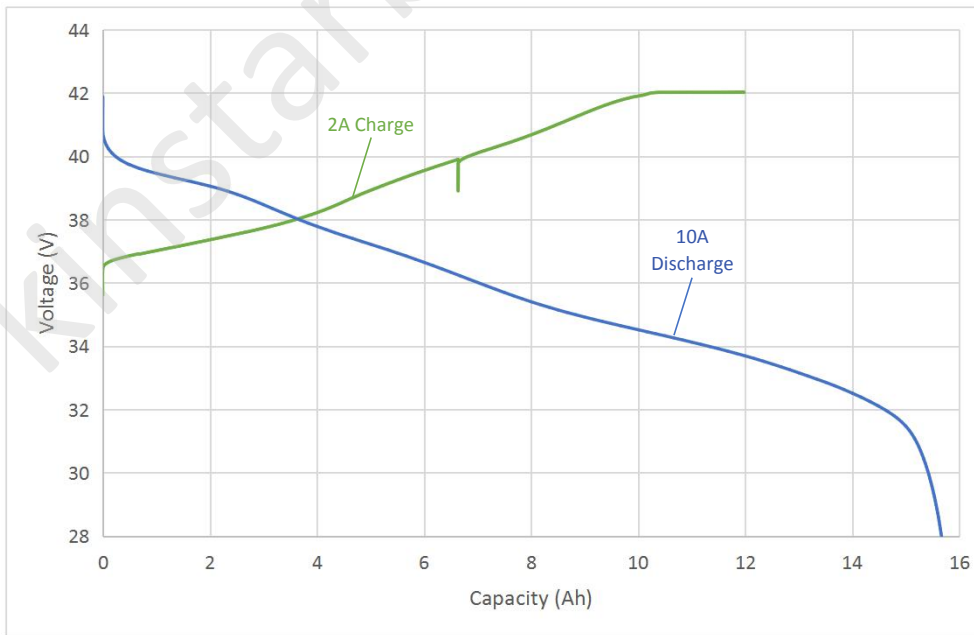
BMS Specifications

Number Of Cluster	10S
Charge And Discharge Port	Different
Max. Allowed Charge Current	5A
Max. Continuous Discharge Current	20A
Overcharge Protection Voltage	42.5 ± 0.25V
Overdischarge Protection Voltage	27.0 ± 0.62V
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	15.663Ah

Typical discharge profiles (10A - 0.625C 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.