

Testing Date	8-Sep-19
Ambient Temperature	30 ± 2°C
Document No.	KST-PV13S4P-NSE-01

Li-ion 48V 10Ah Battery Pack



Battery Pack Specifications

Cell Model	KinStar INR18650SE
Configuration	4P13S
Nominal Capacity	10Ah
Minimum Capacity	9.8Ah
Nominal Voltage	46.8V
Nominal Energy Content	468Wh
Charge Voltage	54.6V
Standard Charge Current	2A
Max. Charge Current	5A
Max. Continuous Discharge Current	15A
Peak Discharge Current	40A
Discharge Cut-off Voltage	35.75V
Gross Weight (Approx.)	2.60KG
Dimensions	72×80×265mm
Charge Connector	30A Anderson
Discharge Connector	30A Anderson
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

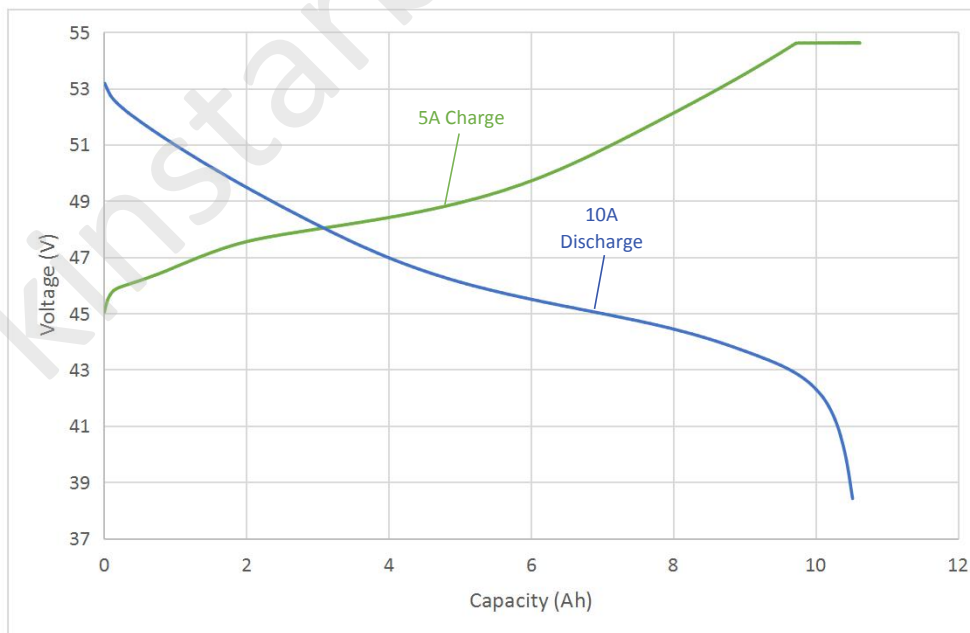
BMS Specifications

Number Of Cluster	13S
Charge And Discharge Port	Same
Max. Allowed Charge Current	15A
Max. Continuous Discharge Current	15A
Overcharge Protection Voltage	55.25 ± 0.25V
Overdischarge Protection Voltage	37.05 ± 0.50V
Overload Protection Current	50 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test	Conditions	Test Result
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10A Discharge To	38.4V	10.516Ah
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Typical discharge profiles (10A - 1C rate)



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