

Testing Date	13-Mar-17
Ambient Temperature	20 ± 2°C
Document No.	KST-PV07S5P-PPF-01

Li-ion 24V 14.5Ah Battery Pack

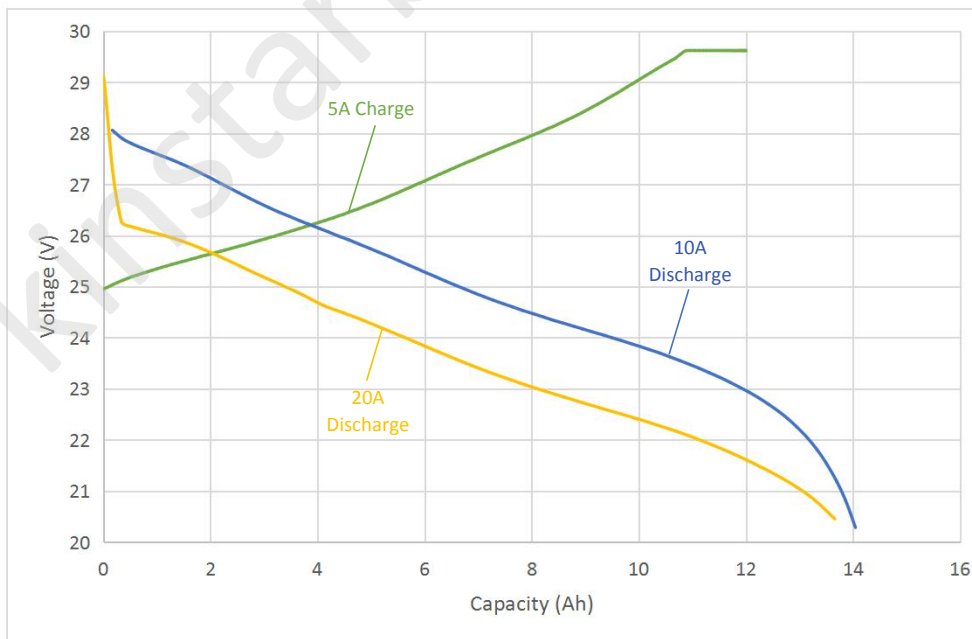


Battery Pack Specifications	
Cell Model	Panasonic NCR18650PF
Configuration	5P7S
Nominal Capacity	14.5Ah
Minimum Capacity	13.75Ah
Nominal Voltage	25.2V
Nominal Energy Content	365.4Wh
Charge Voltage	29.4V
Standard Charge Current	3A
Max. Charge Current	5A
Max. Continuous Discharge Current	30A
Peak Discharge Current	60A
Discharge Cut-off Voltage	19.25V
Gross Weight (Approx.)	2.0KG
Dimensions	75×190×220mm
Charge Connector	DC5521
Discharge Connector	XT60
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

BMS Specifications	
Number Of Cluster	7S
Charge And Discharge Port	Different
Max. Allowed Charge Current	5A
Max. Continuous Discharge Current	30A
Overcharge Protection Voltage	29.75 ± 0.175V
Overdischarge Protection Voltage	19.25 ± 0.43V
Overload Protection Current	60 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test	Conditions	Test Result
10A Discharge To	20.3V	14.044Ah

Typical discharge profiles (10A - 0.69C rate; 20A - 1.38C 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.