

Testing Date	20-Apr-18
Ambient Temperature	24 ± 2°C
Document No.	KST-PV13S14P-PPF-01

Li-ion 48V 40.6Ah Battery Pack

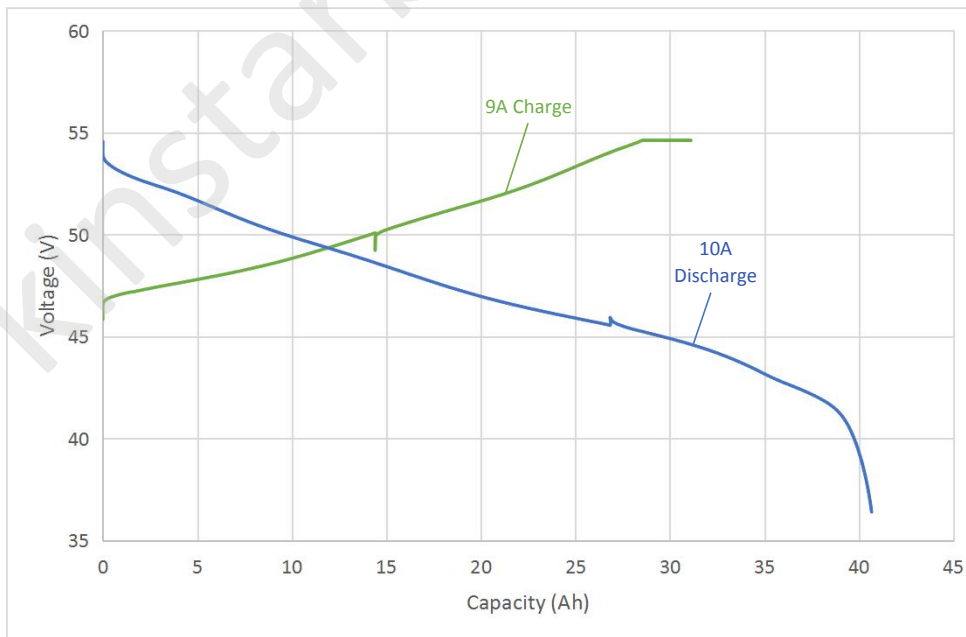


Battery Pack Specifications	
Cell Model	Panasonic NCR18650PF
Configuration	14P13S
Nominal Capacity	40.6Ah
Minimum Capacity	38.5Ah
Nominal Voltage	46.8V
Nominal Energy Content	1900Wh
Charge Voltage	54.6V
Standard Charge Current	8A
Max. Charge Current	15A
Max. Continuous Discharge Current	45A
Peak Discharge Current	100A
Discharge Cut-off Voltage	35.75V
Gross Weight (Approx.)	9.20KG
Dimensions	74×230×350mm
Charge Connector	30A Anderson
Discharge Connector	50A 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	Different
Max. Allowed Charge Current	15A
Max. Continuous Discharge Current	45A
Overcharge Protection Voltage	55.25 ± 0.25V
Overdischarge Protection Voltage	35.75 ± 0.62V
Overload Protection Current	100 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test	Conditions	Test Result
10A Discharge To	36.4V	40.667Ah

Typical discharge profiles (10A - 0.25C 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.