

Testing Date	31-Dec-16
Ambient Temperature	20 ± 2°C
Document No.	KST-PV13S6P-PPF-01

Li-ion 48V 17.4Ah Battery Pack

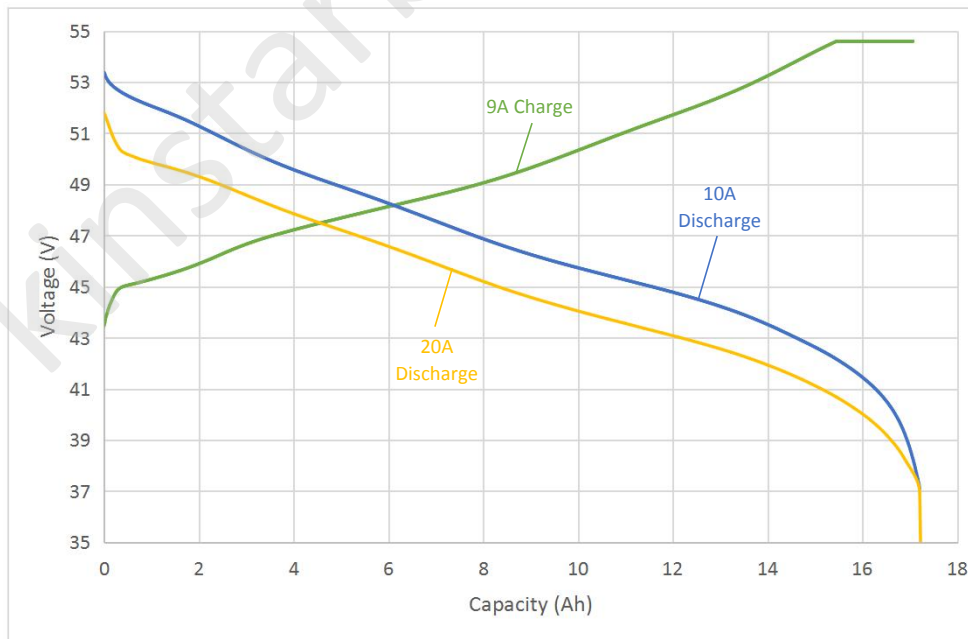


Battery Pack Specifications	
Cell Model	Panasonic NCR18650PF
Configuration	6P13S
Nominal Capacity	17.4Ah
Minimum Capacity	16.5Ah
Nominal Voltage	46.8V
Nominal Energy Content	814.3Wh
Charge Voltage	54.6V
Standard Charge Current	4A
Max. Charge Current	10A
Max. Continuous Discharge Current	30A
Peak Discharge Current	60A
Discharge Cut-off Voltage	35.75V
Gross Weight (Approx.)	3.90KG
Dimensions	60×115×360mm
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	30A
Max. Continuous Discharge Current	30A
Overcharge Protection Voltage	55.25 ± 0.25V
Overdischarge Protection Voltage	35.75 ± 0.62V
Overload Protection Current	60 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test	Conditions	Test Result
20A Discharge To	36.9V	17.23Ah

Typical discharge profiles (10A - 0.57C rate; 20A - 1.15C 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.