

Testing Date	29-May-18
Ambient Temperature	28 ± 2°C
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Li-ion 48V 11.6Ah eBike Battery

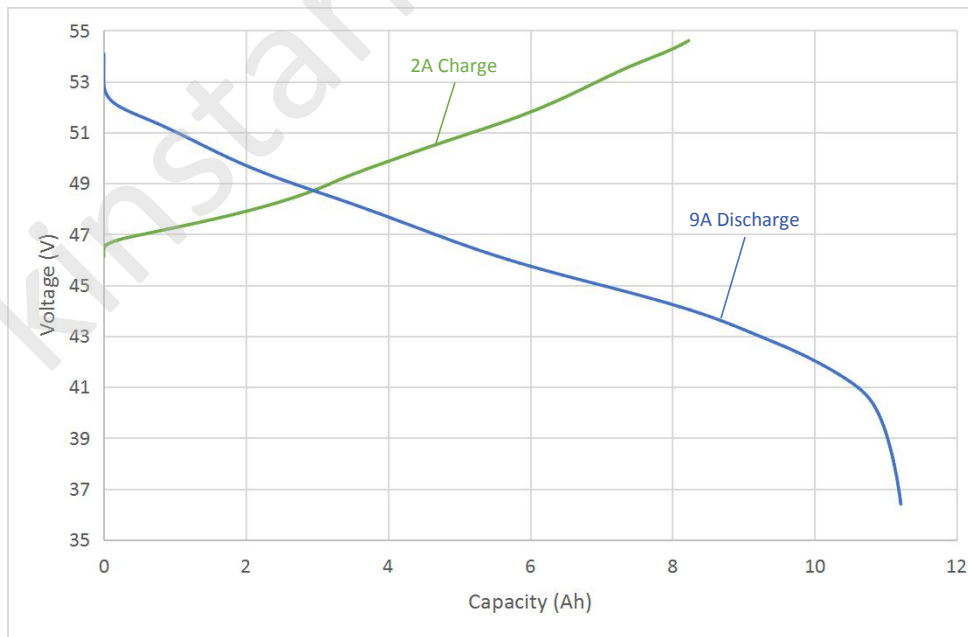


Battery Pack Specifications	
Cell Model	Panasonic NCR18650PF
Configuration	4P13S
Nominal Capacity	11.6Ah
Minimum Capacity	11.0Ah
Nominal Voltage	46.8V
Nominal Energy Content	542.9Wh
Charge Voltage	54.6V
Standard Charge Current	2A
Max. Charge Current	4A
Max. Continuous Discharge Current	20A
Peak Discharge Current	40A
Discharge Cut-off Voltage	35.75V
Gross Weight (Approx.)	3.90KG
Dimensions	60×163×453mm
Charge Connector	Female DC5521
Discharge Connector	XT60
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	5A
Max. Continuous Discharge Current	20A
Overcharge Protection Voltage	55.25 ± 0.25V
Overdischarge Protection Voltage	35.75 ± 0.62V
Overload Protection Current	55 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test	Conditions	Test Result
9A Discharge To	36.4V	11.214Ah

Typical discharge profiles (10A - 0.86C 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.