

Testing Date	27-Jan-16
Ambient Temperature	12 ± 2°C
Document No.	KST-PV04S1P-NHE-01

**Li-ion 14.8V 2200mAh Battery Pack**

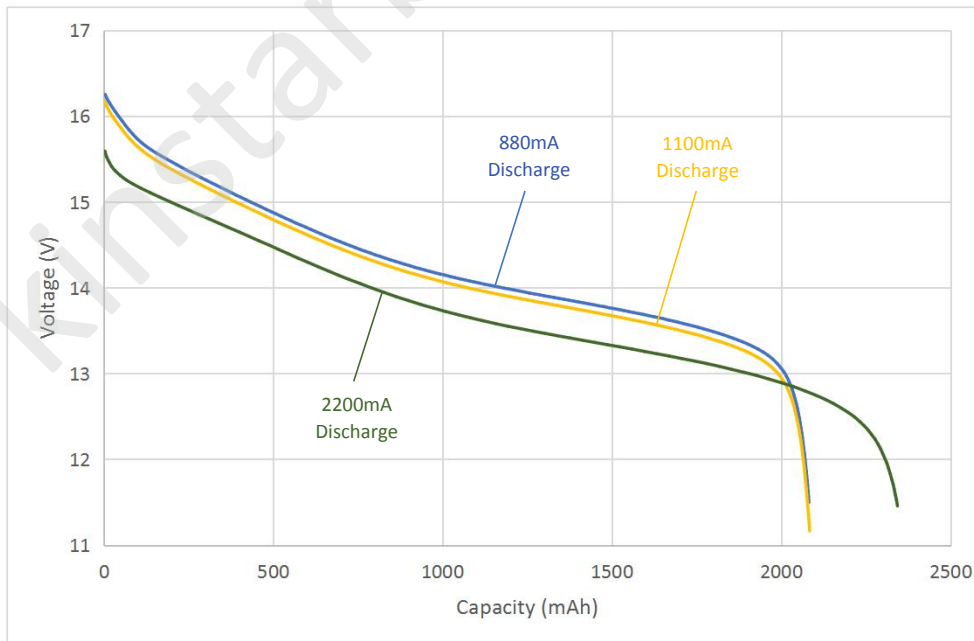


Battery Pack Specifications	
Cell Model	KinStar INR18650HE
Configuration	1P4S
Nominal Capacity	2200mAh
Minimum Capacity	2150mAh
Nominal Voltage	14.8V
Nominal Energy Content	32.56Wh
Charge Voltage	16.8V
Standard Charge Current	440mA
Max. Charge Current	2200mA
Max. Continuous Discharge Current	4000mA
Peak Discharge Current	6000mA
Discharge Cut-off Voltage	11V
Gross Weight (Approx.)	0.2KG
Dimensions	74×75×20mm
Charge Connector	N/A
Discharge Connector	N/A
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

BMS Specifications	
Number Of Cluster	4S
Charge And Discharge Port	Same
Max. Allowed Charge Current	4000mA
Max. Continuous Discharge Current	4000mA
Overcharge Protection Voltage	17 ± 0.125V
Overdischarge Protection Voltage	11 ± 0.3V
Overload Protection Current	6 ± 2A
Overheat Protection Temperature	N/A
External Shortcircuit Protection	Available

Test	Conditions	Test Result
2200mA Discharge To	11V	2083mAh

**Typical discharge profiles (880mA - 0.4C rate; 1100mA - 0.5C rate; 2200mA - 1.0C 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.