

Testing Date	28-Aug-19
Ambient Temperature	30 ± 2°C
Document No.	KST-PV10S13P-PBD-01

Li-ion 36V 41.6Ah Battery Pack

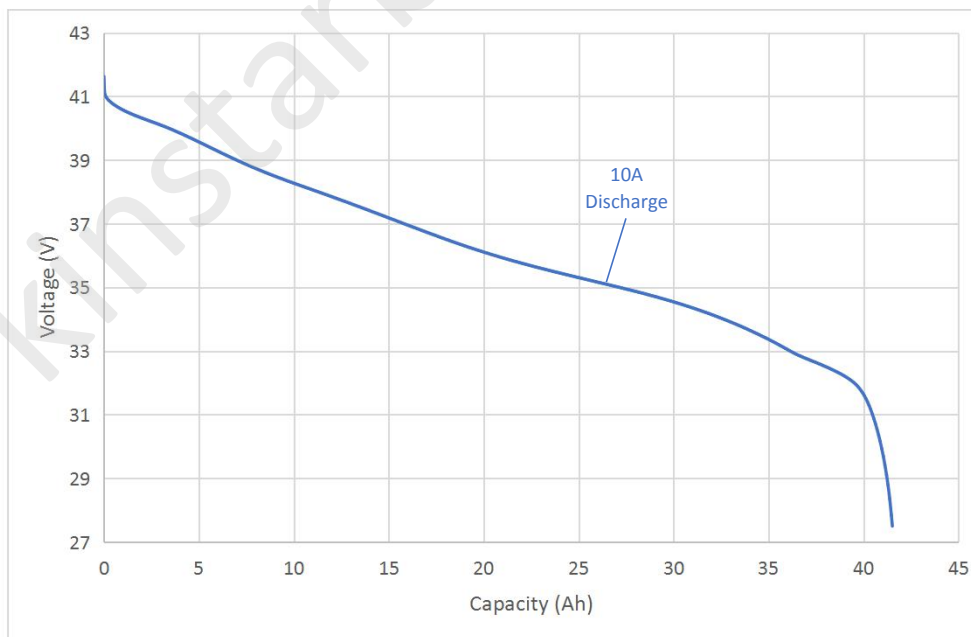


Battery Pack Specifications	
Cell Model	Panasonic NCR18650BD
Configuration	13P10S
Nominal Capacity	41.6Ah
Minimum Capacity	39Ah
Nominal Voltage	36V
Nominal Energy Content	1497.6Wh
Charge Voltage	42V
Standard Charge Current	8A
Max. Charge Current	12A
Max. Continuous Discharge Current	30A
Peak Discharge Current	60A
Discharge Cut-off Voltage	25V
Gross Weight (Approx.)	6.6KG
Dimensions	72×155×325mm
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	10S
Charge And Discharge Port	Same
Max. Allowed Charge Current	30A
Max. Continuous Discharge Current	30A
Overcharge Protection Voltage	42.5 ± 0.25V
Overdischarge Protection Voltage	25.0 ± 0.80V
Overload Protection Current	60 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test	Conditions	Test Result
10A Discharge To	27.5V	41.51Ah

Typical discharge profiles (10A - 0.24C 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.