

Testing Date	29-Mar-17
Ambient Temperature	22 ± 2°C
Document No.	KST-OC10S4P-30Q-01

Li-ion 36V 12Ah eBike Battery

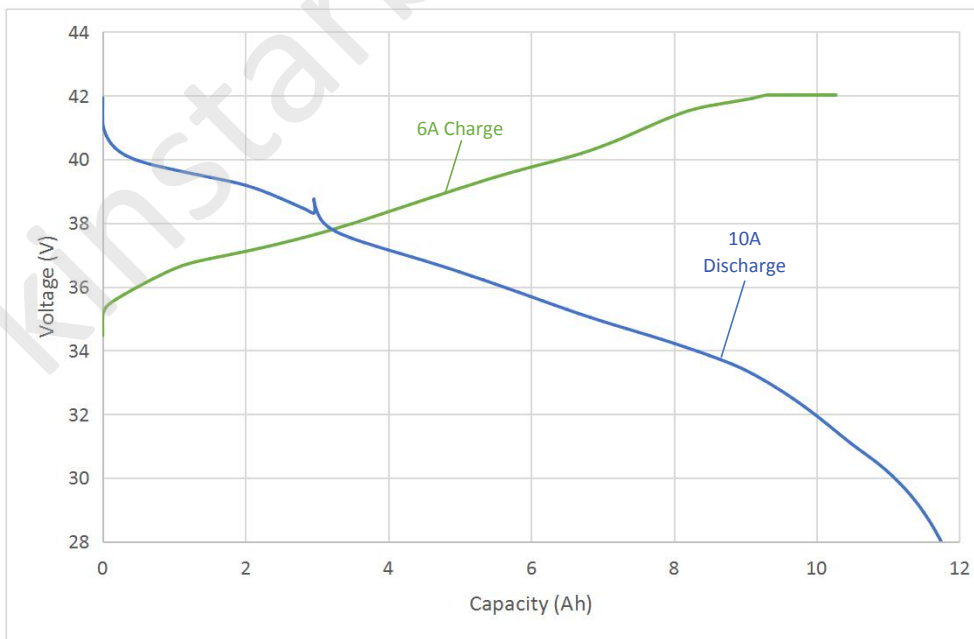


Battery Pack Specifications	
Cell Model	Samsung INR18650-30Q
Configuration	4P10S
Nominal Capacity	12Ah
Minimum Capacity	11.6Ah
Nominal Voltage	36V
Nominal Energy Content	432Wh
Charge Voltage	42V
Standard Charge Current	2A
Max. Charge Current	4A
Max. Continuous Discharge Current	20A
Peak Discharge Current	40A
Discharge Cut-off Voltage	27.5V
Gross Weight (Approx.)	3.25KG
Dimensions	83×116×329mm
Charge Connector	Female DC5521
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	Different
Max. Allowed Charge Current	4A
Max. Continuous Discharge Current	20A
Overcharge Protection Voltage	42.5 ± 0.25V
Overdischarge Protection Voltage	28.0 ± 0.62V
Overload Protection Current	55 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test	Conditions	Test Result
10A Discharge To	28.0V	11.746Ah

Typical discharge profiles (10A - 0.83C 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.