

Testing Date	27-Sep-16
Ambient Temperature	30 ± 2°C
Document No.	KST-PV15S4P-FME-01

LiFePO4 48V 12Ah Battery Pack



Battery Pack Specifications

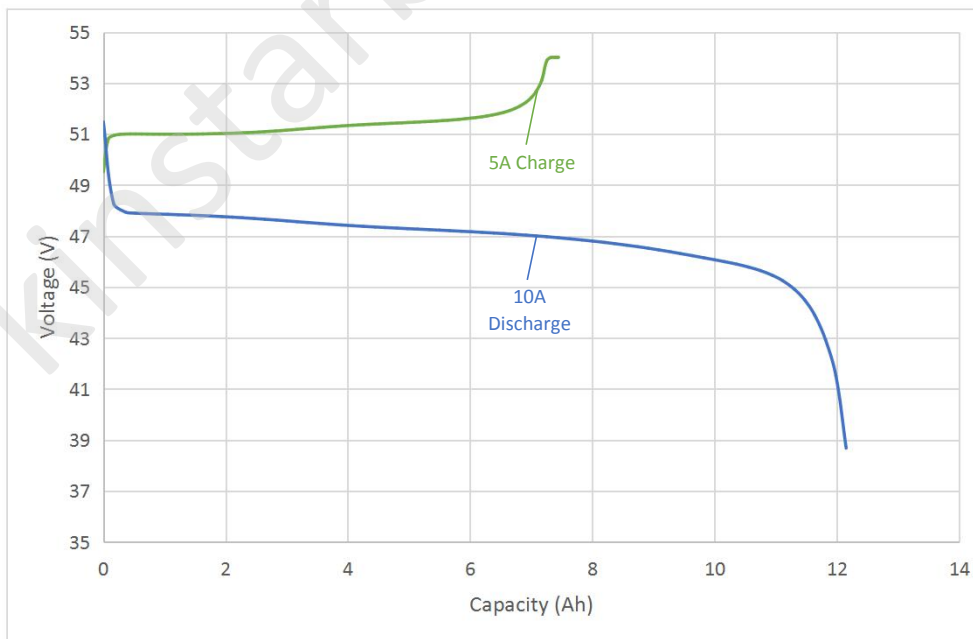
Cell Model	KinStar IFR26650ME
Configuration	4P15S
Nominal Capacity	12Ah
Minimum Capacity	11.8Ah
Nominal Voltage	48V
Nominal Energy Content	576Wh
Charge Voltage	54V
Standard Charge Current	2.5A
Max. Charge Current	5A
Max. Continuous Discharge Current	20A
Peak Discharge Current	40A
Discharge Cut-off Voltage	37.5V
Gross Weight (Approx.)	5.2KG
Dimensions	90×140×300mm
Charge Connector	XT60
Discharge Connector	XT60
Operating Temperature	Charge: 0°C to 45°C Discharge: -20°C to 60°C

BMS Specifications

Number Of Cluster	15S
Charge And Discharge Port	Same
Max. Allowed Charge Current	20A
Max. Continuous Discharge Current	20A
Overcharge Protection Voltage	57 ± 0.3V
Overdischarge Protection Voltage	37.5 ± 0.9V
Overload Protection Current	50 ± 10A
Overheat Protection Temperature	65°C
External Shortcircuit Protection	Available

Test	Conditions	Test Result
10A Discharge To	38.68V	12.515Ah

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.