

### Electrical Specifications

Nominal Voltage	12,8 V
Nominal Capacity	100 Ah
Capacity @ 25 A	240 min
Energy	1280 Wh
Resistance	≤10 mΩ @ 50 % SOC
Self Discharge	<3% / Month
Cell Type	IFR26650EC - LiFePO <sub>4</sub>

### Discharge Specifications

Max. Continuous Discharge Current	100 A
Peak Discharge Current	200 A (5~10s)
BMS Discharge CutOff Current	300 A ±50 A (5 ~ 15 ms)
Recommended Low Voltage Disconnect	11 V
BMS Discharge CutOff Voltage	>9.2 V (50 ~ 150 ms)
Reconnect Voltage	>10 V (2.5 V / cell)
Short Circuit Protection	200 ~ 600 μs

### Charge Specifications

Recommended Charge Current	20 A
Maximum Charge Current	100 A
Recommended Charge Voltage	14.6 V
BMS Charge Cut-Off Voltage	<15.4 V (3.85 V/cell)
Reconnect Voltage	<14.4 V (3.6 V/cell)
Float Charge Voltage	13.8 V
Maximum Batteries in Series	4

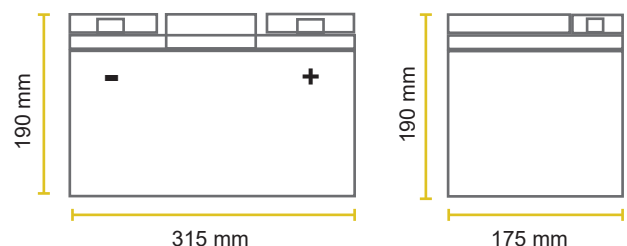
### Mechanical Specifications

Measurements (L × W × H)	315 x 175 x 190 mm
Approx. Weight	12.8 kg
Terminal Type	Round
Terminal Torque	9 ~ 11 N m
Case Material	ABS
Enclosure Protection	IP65

### Temperature Specifications

Discharge Temperature	-20 ~ 55 °C
Charge Temperature	0 ~ 45 °C
Storage Temperature	-5 ~ 35 °C
BMS High Temperature Cut-Off	65 °C
Reconnect Temperature	48 °C

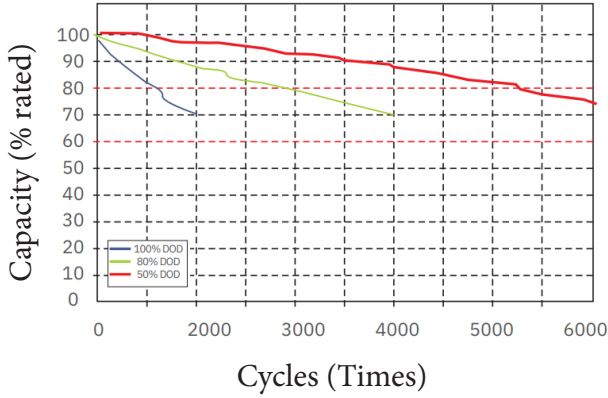
### Measurements



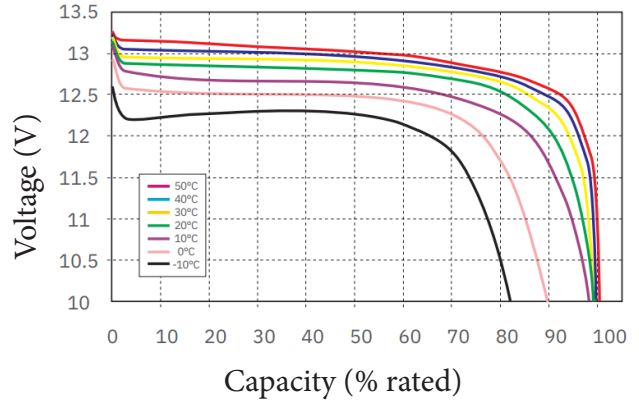
### Compliance

Certifications	CE (Battery) UN38.3 (Battery) RoHS
Shipping Classification	UN 3480, CLASS 9

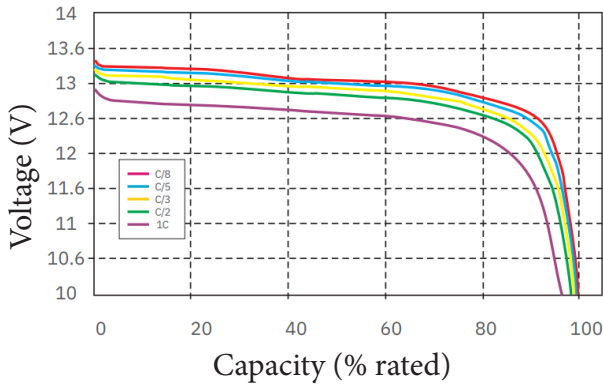
Cycle Life vs. Depth of Discharge (DOD)  
Discharge 0.5C / Charge 0.5C (25°C)



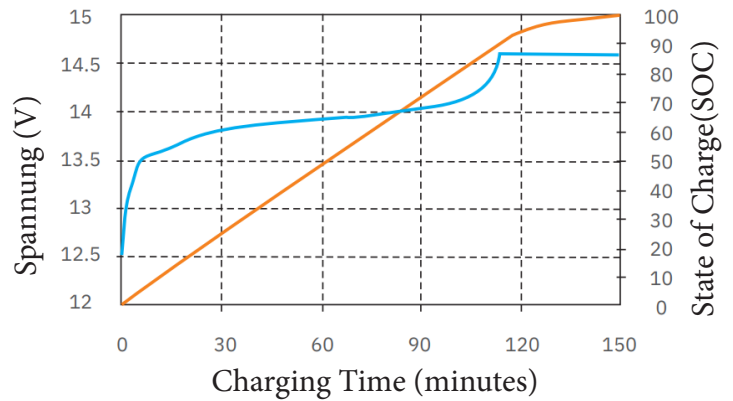
Discharge Voltage Profiles  
at 0.5C Discharge Rate



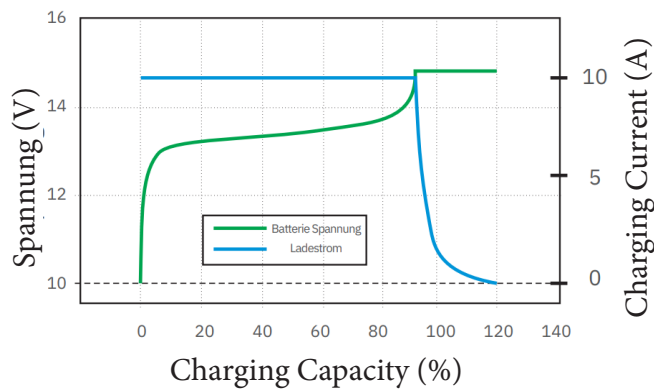
Discharge Voltage Profiles at Various  
Rates (25°C Ambient Temperature)



Typical Voltage and SOC  
Profiles at 0.5C Charging  
(25°C Ambient Temperature)



Charging Characteristics  
(0.5C at 20°C)



Constant Power  
Discharge Characteristics  
(25°C Ambient Temperature)

