

# DRIVE MOTION LITHIUM DATA SHEET



## LFP25.6V200AH (8D)



### Electrical Specifications

Nominal Voltage	25.6 V
Nominal Capacity	200 Ah
Energy	5120 Wh
Self Discharge	≈ 3% per month
Efficiency	>98%
Parallel Support	Yes, Max 4 Sets
Series Support	Yes, Max 2 Sets

### Discharge Specifications

Max. Discharge Current	100 A
End of Discharge Voltage	22.4 V
Low Voltage Disconnect	20 V
Over-Discharge Protection Delay	1000 ms
Low Voltage Reconnect	22.4 V

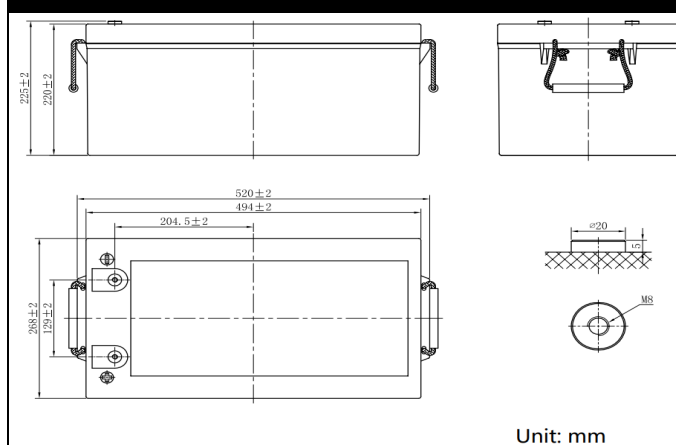
### Charge Specifications

Charging Voltage	28.4-29.2 V
Max. Charging Current	100 A
Recommended Charging Current	20 A - 80 A
High Voltage Disconnect	29.6 V
High Voltage Reconnect	27.6 V

### Temperature Specifications

Discharge Temperature	-20°C - +55°C (-4°F - +131°F)
Charge Temperature	-20°C - +55°C (-4°F - +131°F)
Storage Temperature	-10°C - +45°C (14°F - +113°F)
High Temperature Disconnect	+75°C (+167°F)
High Temperature Reconnect	+70°C (+158°F)
Low Temperature Disconnect	-20°C (-4°F)
Low Temperature Reconnect	-15°C (5°F)

### Dimensional Specifications



Unit: mm

### Mechanical Specifications

Dimensions (Group 8D)	520 x 268 x 220 20.55 x 10.55 x 8.66
Weight	40.5 Kg (89.1 lbs)
Terminal Type	M8
Terminal Torque	9.8N/m
Enclosure Protection	IP65

### Selfheating Specifications

Heating Temperature	-20°C - +10°C (-4°F - +50°F)
Activation Voltage	29.2 V
Heating Current	3.5 A
Heating Power	100 W

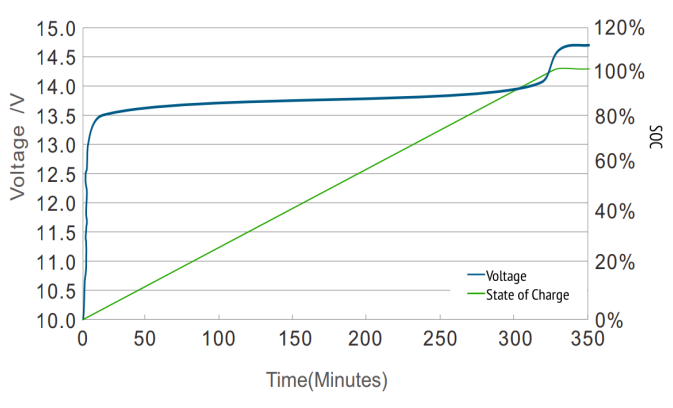
### Conception & Compliance

Conception	1P8S
Cell Type	Grade A Prismatic LiFePO4 cells (205Ah)
Certifications	UN38.3 & CE (battery), UL1642 (cells), MSDS
Shipping Classification	UN 3480, CLASS 9

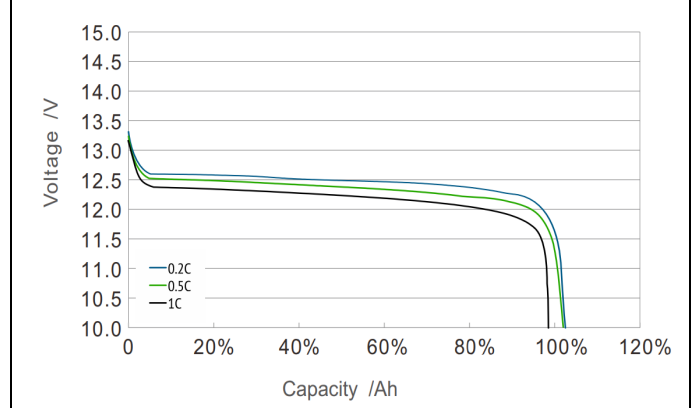
# DRIVE MOTION LITHIUM DATA SHEET



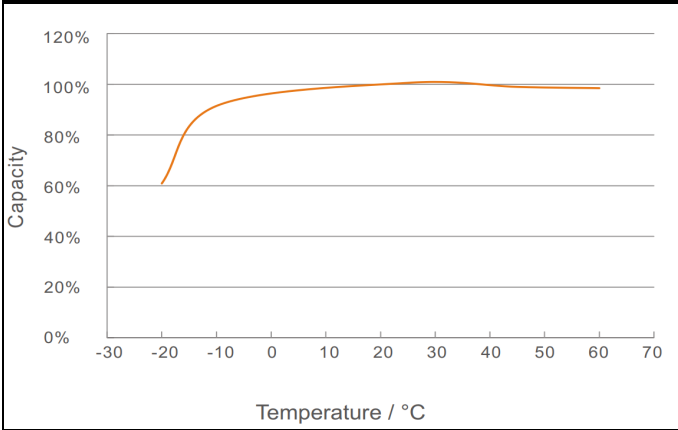
**Charge Voltage & State of Charge (SOC)  
0.2C@25°C (77°F)**



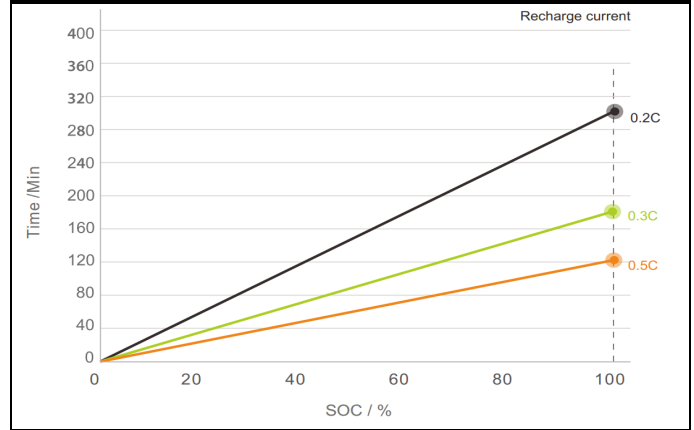
**Discharge Voltage Characteristics at  
Various Rates 25°C (77°F)**



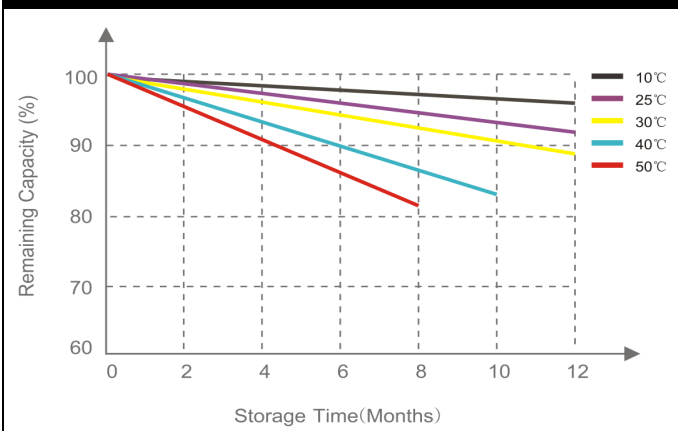
**Capacity at Different Temperatures**



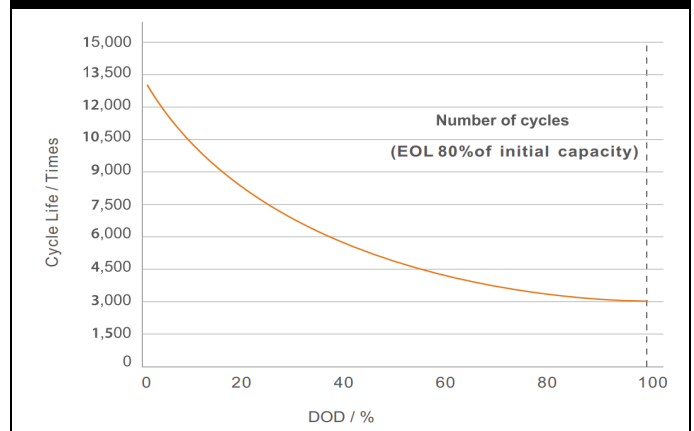
**Typical Recharge Time**



**Self Discharge Curve at Different Temperatures**



**Typical Cycle Life**



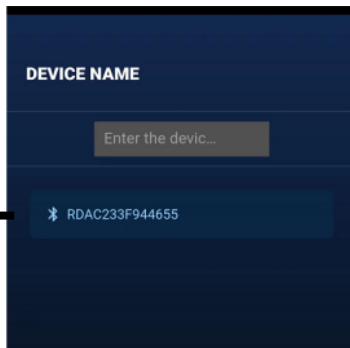


## Bluetooth App User Guide

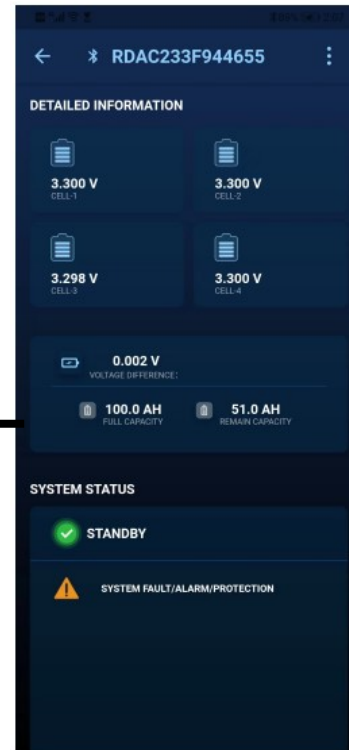
Note to user: If the battery receives no charge or is not discharged for over 60 mins, the battery will enter sleep mode. To wake up the battery, simply apply a charge or load and the battery will be visible and ready for pairing in the app.



Download  
links



Bluetooth ID



Cell Voltage

Cell Voltage Difference

Rated Capacity

Remaining Capacity

Status: Standby,  
Charge or Discharge

Alarm & Protection:

- Low temp. alarm
- Low temp. protection
- High temp. alarm
- High temp. protection
- Low voltage alarm
- Low voltage protection
- Over current alarm
- Short current protection



State of Charge

Battery Voltage

Battery Current

Charge & discharge  
MOS control status

Rated Capacity

Battery temperature

Number of cycles