

### LiFePO4 25.6V - 200AH Battery

#### ELECTRICAL PERFORMANCE

Nominal Voltage	25.6 V
Nominal Capacity	200 Ah
Capacity @ 40A	300 min
Energy	5120 Wh
Resistance	≤50 mΩ @ 50% SOC
Self Discharge	<3% / Month
Cells	LFP Cell 3.2V

#### CHARGE PERFORMANCE

Recommended Charge Current	40A
Max Charge Current	100 A
Recom. Charge Voltage	29.2 V
Charge Cut-Off Voltage	<30.4 V
Reconnect Voltage	>29.2 V
Balancing Voltage	<28.8 V
Bluetooth Test Window & LED display	(Optional)
Maximum Batteries in Series	2(Optional)

#### DISCHARGE PERFORMANCE

Continuous Discharge Current	50A
Maximum continuous Discharge Current	100 A
Peak Discharge Cut-Off Current	300 A (5 ~15 ms)
Discharge Cut-Off Voltage	>19.6 V
Reconnect Voltage	>20 V
Short Circuit Protection	200 ~ 600 μs



#### MECHANICAL PERFORMANCE

Dimension (L x W x H)	522 x 240 x 218 mm
Approx. Weight	38.0 kg
Terminal Type	M8
Terminal Torque	9 ~ 11 N-m
Case Material	ABS
Enclosure Protection	IP65

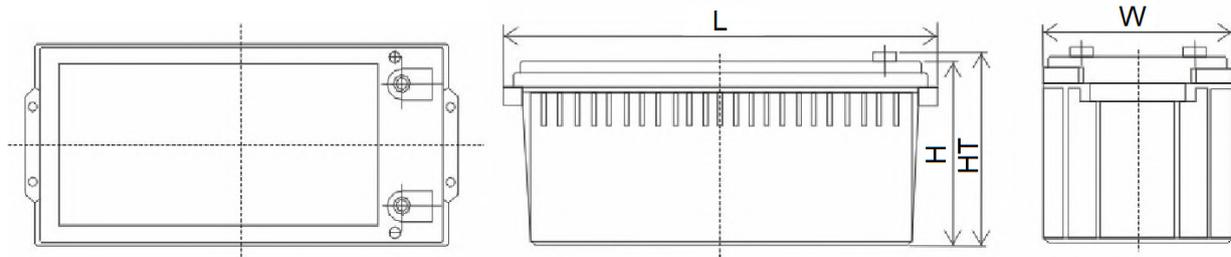
#### TEMPERATURE PERFORMANCE

Discharge Temperature	-20 ~ 60 °C
Charge Temperature	0 ~ 45 °C
Storage Temperature	-5 ~ 35 °C
High Temperature Cut-Off	65 °C
Reconnect Temperature	48 °C

#### COMPLIANCE

Certifications	CE, UN38.3, UL1973 & IEC62619
Shipping Classification	UN 3480, CLASS 9

#### DIMENSIONS

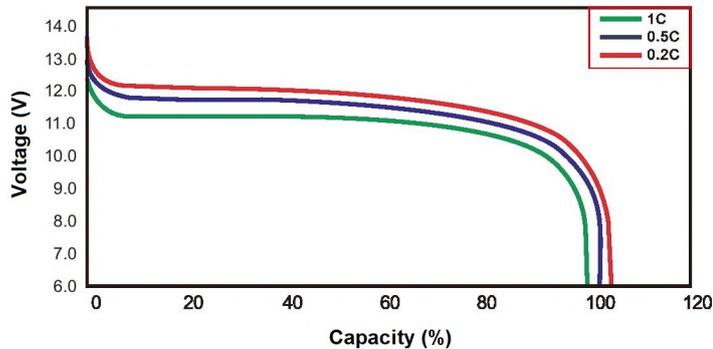


L mm	W mm	H mm	HT mm
522	240	218	222

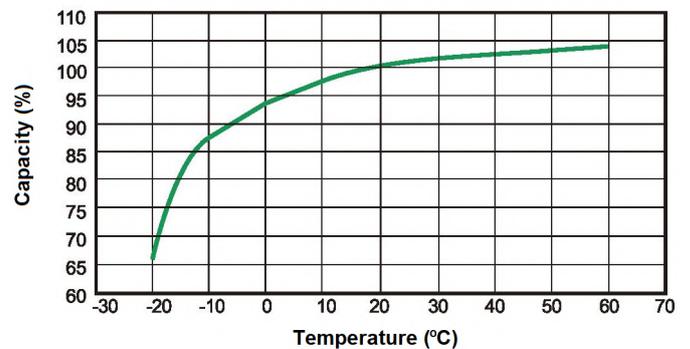
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#### PERFORMANCE CHARACTERISTICS

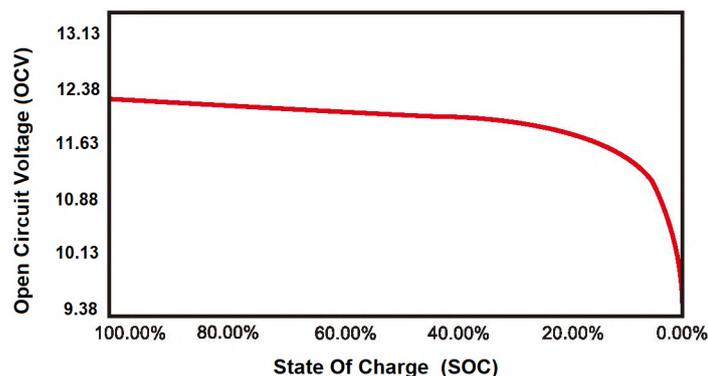
12.8V Discharge Performance at 25 °C



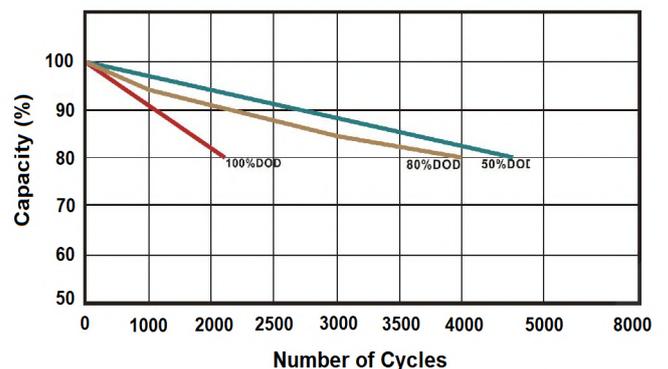
Temperature vs Capacity at 0.2C



12.8V State Of Charge vs Open Circuit Voltage



Cycle Life vs D.o.D. at 25 °C, 0.2C



#### FEATURES & BENEFITS



##### High cycle life

>4600 cycles @ 50% DoD for effectively lower total cost of ownership.



##### Longer service life

Low maintenance batteries with stable chemistry. Easily monitor state of charge (SoC) of smart models.



##### Built in circuit protection

Battery Management Systems (BMS) are incorporated against abuse.



##### Better storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



##### Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



##### Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



##### Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.

#### APPLICATIONS

Lithium Iron Phosphate can be used in most applications that use Lead Acid, GEL or AGM type batteries. Suitable applications include:

- Caravan
- Marine
- Golf Car
- Buggies
- Solar Storage
- Remote Monitoring
- Switching applications and more

#### CAUTIONS

- Do NOT short circuit, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.