

- Long life type prismatic LiFePO4 cells.
- Super long lifetime, leakage and maintenance free.
- Maintenance free, direct replacement for lead acid batteries in all solar systems.
- Long Cycle Life of > 4000 cycles.
- Detachable ABS case.
- ON/OFF Button, LED indicators for SOC, RUN and ALM.
- Integrated Software BMS inside.
- Independent protection for charge and discharge.



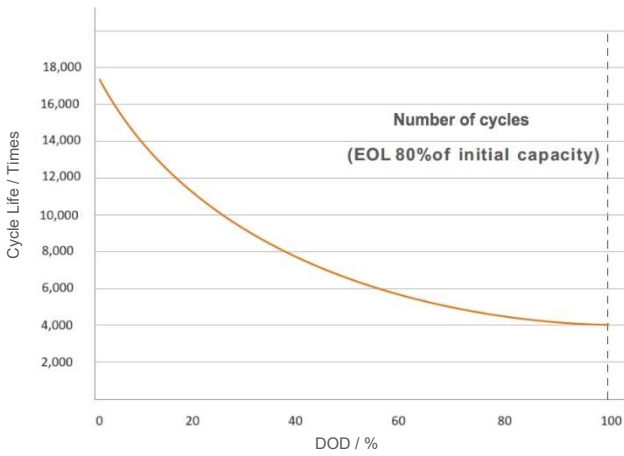
### SPECIFICATION

Cells and Connections	3.2V104Ah, 1P4S
Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Total Energy	1280 Wh
Max. Charging Current	100 A
Recommended Charging Current	50 A
Charging Voltage	14.2 ~ 14.6 V
Max. Discharging Current	100 A
End of Discharge Voltage	11.2V
Normal Operating Temperature Range	Charge: 0 ~ +50°C Discharge: -20 ~ +55°C With Heater: Charge/Discharge -20 ~ +55°C
Protection	Over charge, Over discharge, Over temperature, Low Temperature, Over Current, Short circuit
Cycle Life*	>4000 cycles
Design Life	10 Years
Communication Port	RS485; CAN
LED Indicator and Button	SOC, ALM, RUN, ON/OFF
Dimensions (WxDxH)	330*172*214 mm
Weight	10.5 kg
Operation Humidity	0~95% RH (No condensing)
Parallel Support**	Possible, Max. 4 set
Series Support	Possible, Max. 4 set
Optional Parts	Internal Bluetooth Module Heater External Bluetooth Module External Display Module RS485-USB Device

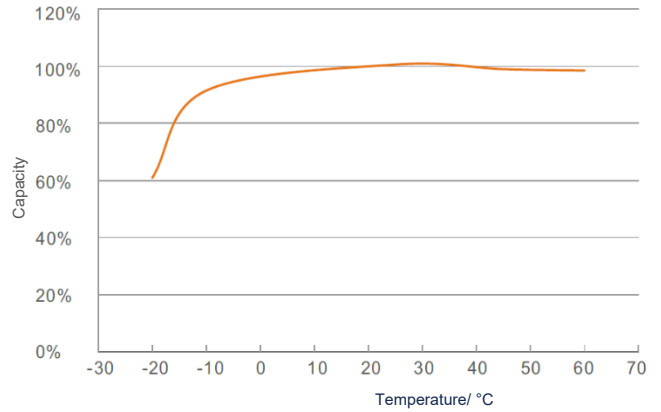
\*0.5C/0.5C, 25°C, 80% DOD to 80% Initial Capacity.

\*\* For Parallel and Series Connection refer to User Manual

### LIFE CHARACTERISTICS WITH DOD

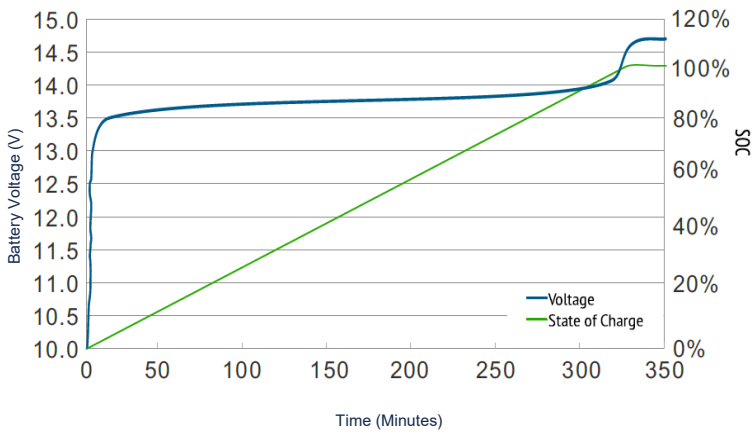


### CAPACITY WITH DIFFERENT TEMPERATURES



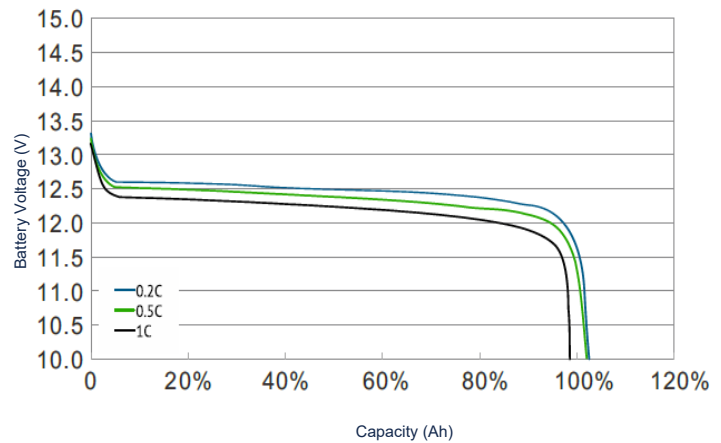
### CHARGE VOLTAGE AND STATE OF CHARGE (SOC)

0.2C at 25°C (77°F)

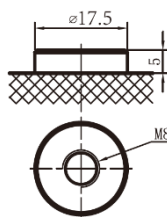
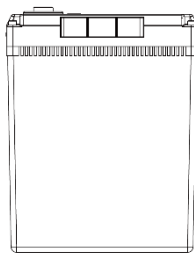
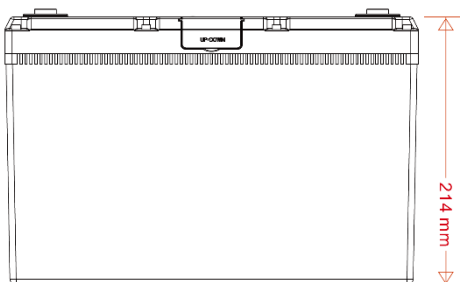
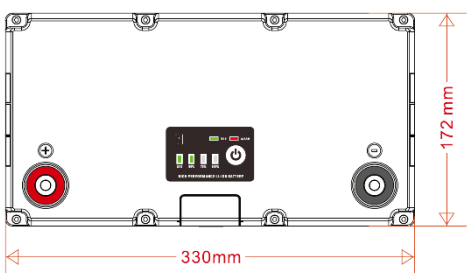


### DISCHARGE VOLTAGE CHARACTERISTICS

0.2C at 25°C (77°F)



### DIMENSIONS



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