

## VTC-4F20 12.8V 20Ah LiFePO4 Battery

### BATTERY FEATURES

- Less Weight. In same capacity and voltage, LiFePO4 battery weight is 1/3 of Lead Acid battery.
- Long cycle Life. Under 100%DOD, the life cycle is more than 3000 times, its up to 8 times than Lead Acid battery.
- High Temperature Resistance. LiFePO4 battery working Temperature range is -20°C to 80°C
- Safer. Under extreme situation, LiFePO4 battery will never explode.
- Environmental Friendly.
- Zero Maintenance Requirements.

### ELECTRICAL SPECIFICATIONS

Nominal Voltage: 12.8V
Nominal Capacity: 20Ah
Energy: 256Wh
Efficiency: 99%
Self Discharge: <2% per Month
Maximum Modules in Series: 1

### DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current: 20A
Peak Discharge Current: 40A( $\leq 5s$ )
BMS Discharge Current Cut-Off: 100A $\pm 5A$
Discharge Cut-Off Voltage: 8V
BMS Discharge Voltage Cut-Off: 8V(2.0 $\pm 0.08$ vpc)
Reconnect Voltage: 10V(2.5 $\pm 0.1$ vpc)

### CHARGE SPECIFICATIONS

Recommended Charge Current: 1A-10A
Maximum Charge Current: 20A
Recommended Charge Voltage: 14.6V
BMS Charge Voltage Cut-Off: 15.6V(3.90 $\pm 0.025$ V)
Reconnect Voltage: 15.2V (3.8 $\pm 0.1$ vpc)

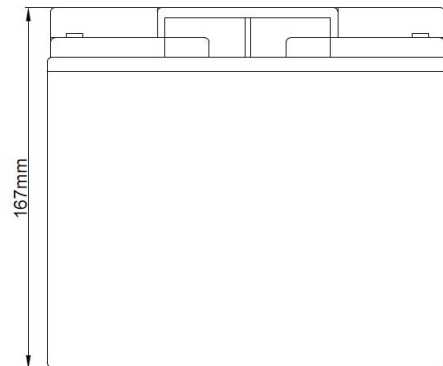
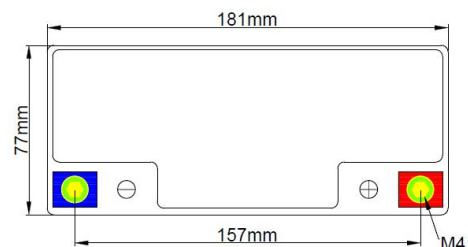
### TEMPERATURE SPECIFICATIONS

Charge Temperature: 0 to 45°C
Discharge Temperature: -20 to 60°C
Storage Temperature: -5 to 35°C
BMS High Temperature Cut-Off: 80 $\pm 5^\circ\text{C}$
Reconnect Temperature: 55 $\pm 15^\circ\text{C}$

### APPLICATIONS

- Solar/Wind energy storage
- Generator storage
- Golf cart
- Floor cleaning machine
- EV

### BATTERY PICTURE&TERMINAL



### MECHANICAL SPECIFICATIONS

Dimensions: (L x W x H/TH): 181 x 77 x 167/167mm
Weight: 2.8Kg
Terminal Type: M4
Case Material: ABS
Enclosure Protection: IP56
Outer Carton Size: 290 x 215 x 205mm
Package: 3pcs/Ctn, 192pcs/Tray, 1920pcs/20GP

Note: Without permission of the battery manufacturer or Distributors, Pls do not use in series and parallel.

