

# WALL MOUNT TYPE LIFEPO4 BATTERY

## 51.2VDC SERIES



### FEATURES

- ◆ Built-in intelligent BMS
- ◆ ≥ 6000+ cycle life
- ◆ A+ grade brand battery cell
- ◆ Comply with ROHS standards
- ◆ Design life up to 10 years at 25°
- ◆ No active cooling system is required

### APPLICATION

- ◆ Oil and electricity hybrid energy storage system.
- ◆ Grid frequency adjustment energy storage system.
- ◆ New energy communication base station, Core computer room, IDC UPS.
- ◆ New energy generation (solar, wind, PV/wind hybrid) access to energy storage system.
- ◆ Smart grid, micro-grid system.
- ◆ Other energy Storage System.
- ◆ Mobile container storage system.
- ◆ Load tracking energy storage system.
- ◆ Peak load shifting energy storage system.

### Technical Data

MODEL	GE5150LW	GE5180LW	GE51100LW	GE51120LW	GE51150LW	GE51200LW
Rate voltage(Vdc)	51.2	51.2	51.2	51.2	51.2	51.2
Rate capacity(AH)	50	80	100	120	150	200
Energy storage(KWH)	2.56	4.096	5.12	6.144	7.68	10.24
Cycle life	≥6000 cycles to 85% DOD					
Months self discharge	≤2%					
Efficiency of charge	100% at 0.2C					
Efficiency of discharge	96-99% at 1C					
<b>Standard Charge</b>						
Charge voltage	58.4					
Charge mode	0.2C to 58.4V, then 58.4V,charge current to 0.02C (CC/CV)					
Charge current(A)	10	16	20	24	30	40
Max. Charge current(A)	50	80	100	120	120	200
Charge cut-off voltage(VDC)	58.4					
<b>Standard Discharge</b>						
Contiuous current(A)	50	80	100	120	120	200
Discharge cut-off voltage(VDC)	44.8					
<b>Environmental</b>						
Charge temperature	0°C to 45 °C (32F to 113F) @60±25% Relative Humidity					
Discharge temperature	-20 °C to 60°C (-4F to 140F) @60±25% Relative Humidity					
Storage temperature	0°C to 40 °C (32F to 104F) @60±25% Relative Humidity					
<b>Mechanical</b>						
IP Class	IP60					
Material system	LiFePO4					
Case material	Metal					
Case Type	Rack / Wall Mount					
Pack Dimensions L*W*H(mm)	525*390*150	540*220*185	525*485*170	470*390*150	680*545*150	590*375*245
Package Dimension L*W*H(mm)	610*485*250	690*300*260	600*485*255	575*490*255	760*625*240	685*470*350
Net Weight(kg)	39.5	40	43.4	46	72	82
Gross Weight(kg)	41.5	42.6	45.9	48.5	75	85
Teminal	M8					
Protocol (Optinal)	CANBus/RS485/RS232					
SOC (Optional)	LED/LCD					
The quality assurance period	60 Months					

Product specifications are subject to change without prior notice.