

## 48V LiFePO4 Wall mount series



### Product features:

- Larger capacity supply equipment cabinet
- No active cooling system is required
- High operational reliability
- They live for more than 10 years at +25°C
- Optimal management
- In line with the RoHS

### Applicable field:

- 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
- Mobile container storage system
- Other energy Storage System
- Peak load shifting energy storage system
- Load tracking energy storage system

## Application scenarios



## Product parameters

	MODEL	GE4850LW	GE4880LW	GE48100LW	GE48120LW	GE48150LW	GE48200LW
Electrical Characteristics	Rate voltage(Vdc)	48	48	48	48	48	48
	Rate capacity(AH)	50	80	100	120	150	200
	Energy storage(KWH)	2.4	3.84	4.8	5.76	7.2	9.6
	Cycle life	≥4000 cycles to 85% DOD					
	Months self discharge	≤2%					
	Efficiency of charge	100% at 0.2C					
	Efficiency of discharge	96-99% at 1C					
	Charge voltage	54.8					
Standard Charge	Charge mode	0.2C to 54.8V, then 54.8V,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	120
	Charge cut-off voltage(VDC)	54.8					
Standard Discharge	Continuous current(A)	50	80	100	120	120	120
	Discharge cut-off voltage(VDC)	42					
Environmental	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					
	IP class	IP60					
Mechanical	Material system	LiFePO4					
	Case material	Metal					
	Case Type	Rack/Wall Mount					
	Pack Dimensions L*W*H(mm)	525*390*150	525*390*150	471*375*147	471*375*147	680*545*155	590*375*245
	Package Dimension L*W*H(mm)	610*485*250	610*485*250	575*490*255	575*490*255	760*625*240	685*470*350
	Net Weight(kg)	37.7	38.5	39.2	54.2	66	78.8
	Gross Weight(kg)	39.7	40.8	42.6	56.2	62	81.5
	Terminal	M8					
	Protocol(Optional)	CANBus/RS485/RS232					
	SOC (Optional)	LED/LCD					