

## 51.2V LiFePO4 Wall mount series



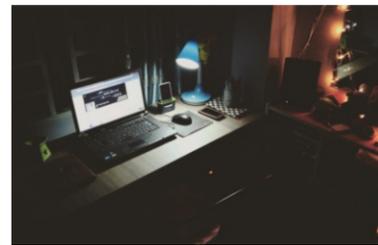
### Product features:

- 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	LT4850HW	LT4880HW	LT48100HW	LT48120HW	LT48150HW	LT48200HW
Electrical Characteristics	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					
Standard Charge	Efficiency of discharge	96-99% at 1C					
	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					
Standard Discharge	Continuous current(A)	50	80	100	120	120	200
	Discharge cut-off voltage(VDC)	44.8					
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					
Mechanical	IP class	IP43					
	Material system	LiFePO4					
	Case material	Metal					
	Case Type	Rack/Wall Mount					
	Pack Dimensions L*W*H(mm)	455*390*150	570*410*155	570*410*155	600*450*190	860*485*190	860*485*190
	Package Dimension L*W*H(mm)	610*485*250	610*485*250	610*485*250	675*525*265	950*575*250	950*575*250
	Net Weight(kg)	28.3	40.4	45.0	48.3	67.4	83.8
	Gross Weight(kg)	31.2	42.7	48.2	52.0	70.1	86.4
	Terminal	M8					
	Protocol(Optional)	CANBus/RS485/RS232					
	SOC (Optional)	LED/LCD					
The quality assurance period	60 months						

## 51.2V 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	LT4850HW	LT4880HW	LT48100HW	LT48120HW	LT48150HW	LT48200HW
Electrical Characteristics	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					
Standard Charge	Efficiency of discharge	96-99% at 1C					
	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					
Standard Discharge	Continuous current(A)	50	80	100	120	120	200
	Discharge cut-off voltage(VDC)	44.8					
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					
Mechanical	IP class	IP43					
	Material system	LiFePO4					
	Case material	Metal					
	Case Type	Rack/Wall Mount					
	Pack Dimensions L*W*H(mm)	455*390*150	570*410*155	570*410*155	600*450*190	860*485*190	860*485*190
	Package Dimension L*W*H(mm)	610*485*250	610*485*250	610*485*250	675*525*265	950*575*250	950*575*250
	Net Weight(kg)	28.3	40.4	45.0	48.9	67.6	92.6
	Gross Weight(kg)	31.2	42.7	48.2	52.7	70.1	97.6
	Terminal	M8					
	Protocol(Optional)	CANBus/RS485/RS232					
	SOC (Optional)	LED/LCD					
The quality assurance period	60 months						