

RACK MOUNT TYPE LIFEPO4 BATTERY

48VDC SERIES



FEATURES

- ◆ Built-in intelligent BMS
- ◆ ≥ 6000+ cycle life
- ◆ A+ grade brand battery cell
- ◆ Comply with ROSH 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	GE4850LR	GE4880LR	GE48100LR	GE48120LR	GE48150LR	GE48200LR
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	≥6000 cycles to 85% DOD					
Months self discharge	≤2%					
Efficiency of charge	100% at 0.2C					
Efficiency of discharge	96-99% at 1C					
Standard Charge						
Charge voltage	54.75					
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	200
Charge cut-off voltage(VDC)	54.8					
Standard Discharge						
Contiuous current(A)	50	80	100	120	120	200
Discharge cut-off voltage(VDC)	42					
Environmental						
Charge temperature	0℃ to 45 ℃ (32F to 113F) @60±25% Relative Humidity					
Discharge temperature	-20 ℃ to 60℃ (-4F to 140F) @60±25% Relative Humidity					
Storage temperature	0℃ to 40 ℃ (32F to 104F) @60±25% Relative Humidity					
Mechanical						
IP Class	IP60					
Material system	LiFePO4					
Case material	Metal					
Case Type	Rack / Wall Mount					
Pack Dimensions L*W*H(mm)	451*450(492)*177	465*440(482)*191	490*440(482)*177	470*390*155	500*440(482)*260	590*375*245
Package Dimension L*W*H(mm)	545*525*255	560*515* 265	585*515*345	610*490*255	575*515*335	680*470*350
Net Weight(kg)	37.2	39.9	41.6	45	76.2	78.8
Gross Weight(kg)	40.4	41.1	45.4	48.8	79.6	81.5
Teminal	M8					
Protocol (Optional)	CANBus/RS485/RS232					
SOC (Optional)	LED/LCD					
The quality assurance period	60 Months					

Product specifications are subject to change without prior notice.