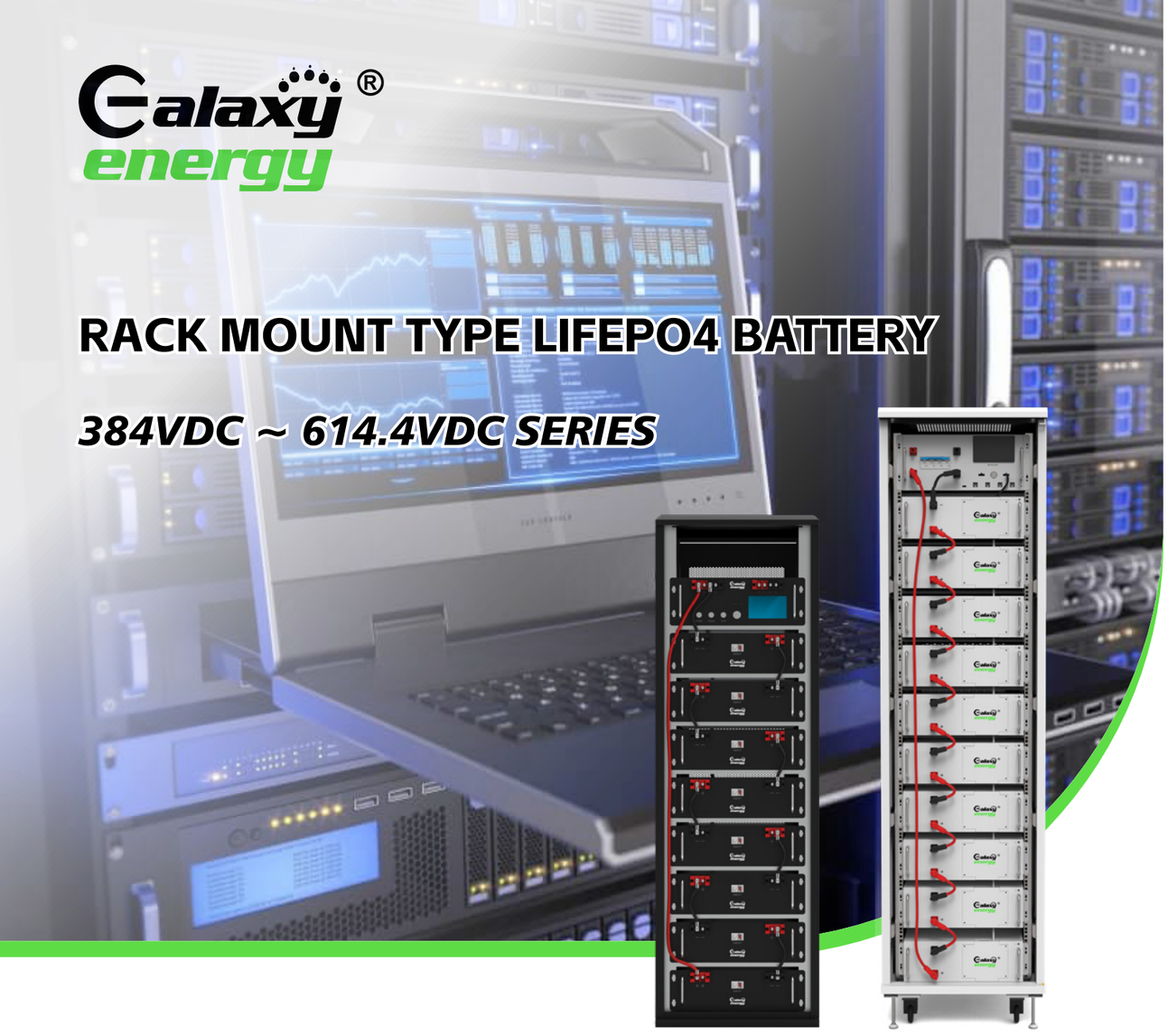
Galaxy® energy

RACK MOUNT TYPE LIFEPO4 BATTERY

384VDC ~ 614.4VDC 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	GE384100HV	GE410100HV	GE512100HV	GE614100HV
Rate Voltage(Vdc)	384	409.6	512	614.4
Rate Capacity(AH)	100	100	100	100
Energy Storage(KWH)	38.4	40.96	51.2	61.44
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			
Standard Charge				
Charge Voltage(Vdc)	432	460.8	576	691.2
Charge Mode(Per cell)	CC/CV			
Recommend Charge current(A)	30	30	30	30
Max. Charge current(A)	100	100	100	100
Charge cut-off voltage(VDC)	432	460.8	576	691.2
Standard Discharge				
Contiunous current(A)	100	100	100	100
Discharge cut-off voltage(VDC)	336	358.4	448	548.8
Environmental				
Charge temperature	0 °C to 45℃ (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 Mount			
Pack Dimensions L*W"H(mm)	600*650*1880	600*650*1880	600*650*2100	2*(600*650*1880)
Package Dimensions L*W"H(mm)	620*670*2000	620*670*2000	620*670*2120	2*(620*670*2000)
Net Weight(kg)	536	576	626	892
Gross Weight(kg)	597	637	697	994
Terminal	M8			
Protol(Optional)	CANBus/RS485/RS232			
SOC (Optional)	LED/LCD			
The quality assurance period	60 months			

Product specifications are subject to change without prior notice.