

GiB Series

GEMFG | GiB Series Lithium battery, as critical part of the most popular Energy Storage System (ESS), is widely using in industrial & commercial applications as well as household solar systems.

- Replacement of Lead Acid batteries

GiB 12.8V Lithium batteries are designed for replacement of GEM lead acid batteries GS / GM / GF series.

- Cycle life

We offer various cycle life for customized projects, available at

DOD80% = 2000 cycles

DOD80% = 3000 cycles

DOD80% = 4000 cycles

DOD80% = 6000+

subject to the project budget.



- Safety/Fuse Protection.

Under the protection of built-in BMS, every single piece of GiB Lithium battery is extremely safe with current control. The smart BMS would protect your batteries from over-load discharge, over-charge, temperature exceed (low & high safety level).

- Equalization of battery initial specification.

We could have equalized specifications of the batteries in series/parallel on OCV, IR, Capacity, Temp, etc...

- Warming / heating panel available for low temperature application (-45°C).

This is quite helpful when batteries are using in extreme temperature conditions, summer hot and winter cold.

- Customized with digital display screen, Bluetooth, GPS, etc... more functional configuration could be developed.

GEMFG GiB Series	Energy (KWH)	Voltage (V)	Capacity (AH)	Dimension (mm)			Max. Discharge Current (A)	Type	Comm.
				L ±1	W ±1	H ±2			
GiB 12-7	0.0896	12.8	7	151	65	98	1-3C	LiFePO4	-
GiB 12-12	0.1536	12.8	12	151	98	98	1-3C	LiFePO4	-
GiB 12-20	0.256	12.8	20	181	77	170	1-3C	LiFePO4	-
GiB 12-33	0.4224	12.8	33	196	133	161	1-3C	LiFePO4	-
GiB 12-40	0.512	12.8	40	198	166	170	1-3C	LiFePO4	-
GiB 12-50	0.64	12.8	50	229	138	214	1-3C	LiFePO4	-
GiB 12-100	1.28	12.8	100	330	173	220	BMS 1C	LiFePO4	-
GiB 12-150	1.92	12.8	150	483	173	240	BMS 1C	LiFePO4	-
GiB 12-150A	1.92	12.8	150	520	238	220	BMS 1C	LiFePO4	-
GiB 12-200A	2.56	12.8	200				BMS 1C	LiFePO4	-
GiB 12-250A	3.2	12.8	250	520	269	220	BMS 1C	LiFePO4	-
GiB 12-300A	3.84	12.8	300				BMS 1C	LiFePO4	-
GiB 12-400A	5.12	12.8	400				BMS 1C	LiFePO4	-
GiB 12-100FT	1.28	12.8	100	507	110	238	BMS 1C	LiFePO4	-
GiB 12-150FT	1.92	12.8	150	551	110	288	BMS 1C	LiFePO4	-
GiB 12-150FTL	1.92	12.8	150	561	125	316	BMS 1C	LiFePO4	-
GiB 12-180FT	2.304	12.8	180				BMS 1C	LiFePO4	-
GiB 12-200FT	2.56	12.8	200				BMS 1C	LiFePO4	-
GiB 24-100	2.4	25.6	100				520	238	220
GiB 24-120	2.88	25.6	120	520	269	220	BMS 1C	LiFePO4	-
GiB 24-150	3.6	25.6	150				BMS 1C	LiFePO4	-
GiB 24-200	4.8	25.6	200				BMS 1C	LiFePO4	-
GiB 48-50	2.56	51.2	50	445	385	155	BMS 1C	LiFePO4	485 CAN
GiB 48-100	5.12	51.2	100	546	430	200	BMS 1C	LiFePO4	485 CAN
GiB 48-150	7.68	51.2	150	443	442	227	BMS 1C	LiFePO4	485 CAN
GiB 48-200	10.24	51.2	200	510	442	246	BMS 1C	LiFePO4	485 CAN

* Please contact GEM Battery sales rep to get latest updating model list of the batteries, and the customized battery specification, battery sizing and the pricing.