



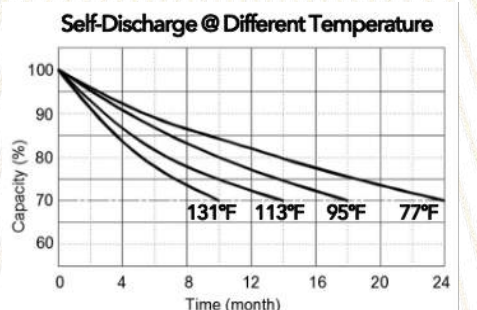
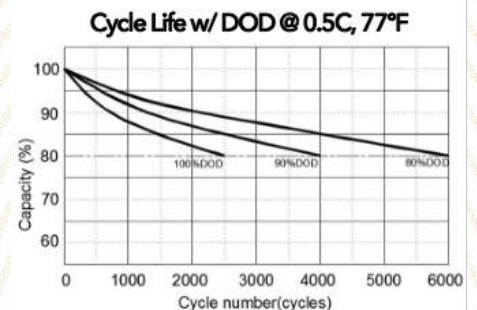
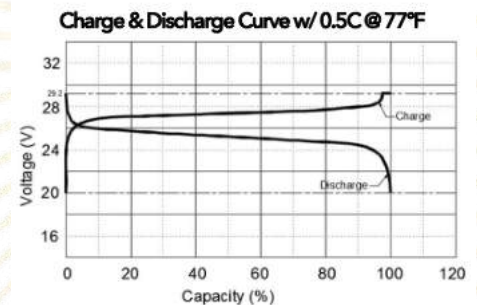
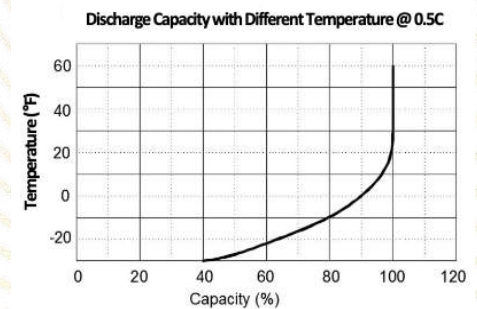
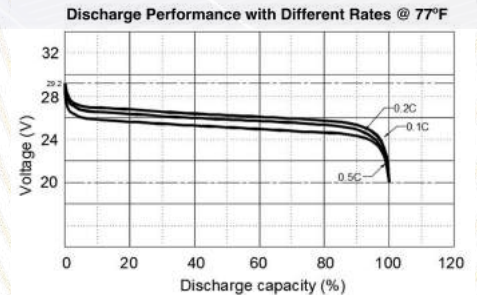
- ✓ **SIMPLE INSTALLATION**
- ✓ **MAX ENERGY DENSITY**
- ✓ **FLEXIBLE RACKING OPTIONS**
- ✓ **99% EFFICIENCY** LiFePo₄ 16-CELL PACK
- ✓ **ENVIRONMENTALLY FRIENDLY** & LEAD FREE
- ✓ **STRESS-FREE** BATTERY BANK EXPANSION CAPACITY
- ✓ **LONGER LASTING:** 10-20 YEAR DESIGN LIFE
- ✓ **RELIABLE** BUILT-IN BMS: VOLTAGE, CURRENT, TEMP, & HEALTH MGMT

Complete your solar power system with a best-in-class G4LL LiFePOWER₄ energy storage solution. Our G4LL LiFePOWER₄ battery banks control energy costs and give you more independence from utilities. With G4LL LiFePOWER₄ energy storage solutions, you are empowered to manage your renewable energy generation for cost efficiency, have increased safety advantages, an extended cycle life, and the best efficiency*. G4LL LiFePOWER₄ 48V100AH is a cost-effective, high performance Lithium iron phosphate battery, outfitted with intelligent BMS, and designed to fit seamlessly into durable metal 19in module container racks.

*BASED ON YOUR LOCAL/STATE TIME-OF-USE CHARGES OR PEAK HOUR RATES. FOR EXAMPLE, A SOLAR BATTERY CAN SAVE HOMEOWNERS MONEY ON UTILITIES IN STATES THAT HAVE TIME-OF-USE CHARGES OR PEAK HOUR RATES BY USING POWER FROM THE BATTERY DURING THOSE PERIODS. IT CAN EVEN SELL ELECTRICITY BACK TO THE GRID WHEN THE LOCAL UTILITY OFFERS A HIGHER RATE FOR DISTRIBUTED GENERATION.



Battery Module Specification Parameters				
Item		Parameters		Condition
Charge	Cell Voltage Protection	3.9V	Delay 1s	Recovery at 3.45V
	Module Voltage Protection	60V	Delay 1s	Recovery at 55.2V
	Over Charging Current 1	>100A	Delay 20s	
	Over Charging Current 2	≥120A	Delay 2s	
	Temperature Protection	<32°F or >158°F	Delay 1s	Recover when >41°F or <140°F
Discharge	Cell Voltage Protection	2V	Delay 1s	Recovery at 3.1V
	Module Voltage Protection	43.2V	Delay 1s	Recovery at 48V
	Over Charging Current 1	>100A	Delay 15s	Recovery in 60s
	Over Charging Current 2	>150A	Delay 5s	Recovery in 60s
	Short Circuit	>250A	Delay .1mS	
	Temperature Protection	<-4°F or >167°F	Delay 1s	Recover when >14°F or <149°F
BMS	PCB Temp Protection	>203°F	Delay 1s	Recover when <167°F
	Cell Balance	100mA	Passive Balance	Cell voltage difference >40mV
	Temperature Accuracy	3%	Cycle Measurement	Measuring range -40~212°F
	Voltage Accuracy	0.5%	Cycle Measurement	For cells and module
	Current Accuracy	3%	Cycle Measurement	Measuring range -200~+200
	SOC	5%		Integral calculation
	Power consumption with different conditions	<300uA	Switch-Off Mode	Storage & Transportation
		<300uA	Sleep Mode	Protection & Stand-By
		<14mA	Operating Mode	Charging & Discharging
	Communication Ports	RS485		Can be customized to match the device



Battery Module Specification			
Item		Specification	Condition
Nominal	Voltage	51.2V	77°F, 0.2C
	Capacity	100Ah	
Weight (lbs)		101.41	
Dimensions (W*D*H), (in)		17.4 x 18.5 x 6.1	
Operating Parameters	Charging Voltage	56V - 57V	
	Discharging Voltage	43.2V	
	Charging Current	Max constant charge: 100A	
	Discharging Current	Max constant discharge: 100A	Recommended: 30A
Temperature (°F)	Charge Range	32 - 113°F	
	Discharge Range	-4 - 131°F	
	Storage Range	-4 - 113°F	
BMS	Built-in BMS	Voltage, current, temperature management & cell balance	RS485 communication
Service Life	Design Life	10-20+ years	
	Cycle Life @80% DOD	>6000 times	