

RACK MOUNTED LI-ION BATTERY GP-5122800-LR



SAFETY

- + Prismatic LiFePO₄ cells-3.2V280Ah, Longer cycle life and much more safety.
- + Low voltage system, safety for application.
- + Cell certification IEC62619, UL1973, UL9540A.
- + UN38.3 certification for system.



DESIGN

- + Standard 19" rack design.
- + Flexible and easily installation.
- + -20~+55°C widely temperature range.
- + Maintenance free.



SCALABILITY

- + Parallel support for more energy.
- + Optional accessories for Bluetooth module, Heater.

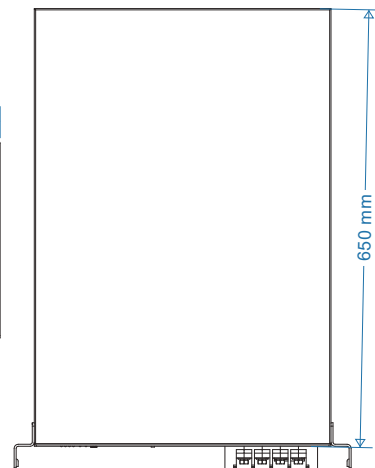
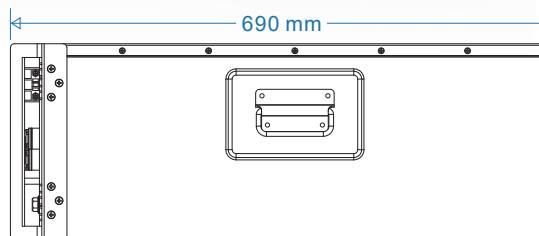
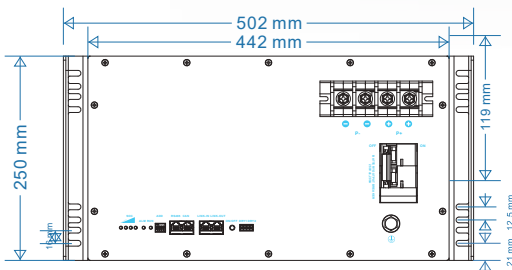


BATTERY MANAGEMENT SYSTEM

- + Independent protection for charge and discharge.
- + SOC, SOH display and PC software for detailed operation.
- + OVP, LVP, OCP, OTP, LTP protection.
- + RS485,CAN, communication port.



Dimension



Model	GP-5122800-LR
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	280
Total Energy [Wh]	14336
Dimension (W*D*H, mm)	442*650*250
Weight [Kg]	105
Max. Charging Current [A]	100
Max. Discharging Current [A]	140
Pulse Discharge Current	200A @10S
Charging Voltage [V]	55.2~58.4
End of Discharge Voltage [V]	44.8 (Backup Application) / 48 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C
Cycles(25°C,0.5C,80%DOD)	>6000
Designed Calendar Life	10 Years
Communication interface	RS485, CAN
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support

LED Indicator Description

Status	Nominal Warning Protection	RUN 	ALM 	SOC    				Description
Shut down	Dormancy	OFF	OFF	OFF	OFF	OFF	OFF	
Standby	Nominal	Flash 1	OFF	Follow module capacity				Standby
	Warning	Flash 1	Flash 3					Module at low voltage
Charge	Nominal	ON	OFF	Follow module capacity				
	Warning	ON	Flash 3					
	Over-charge Protection	ON	OFF	ON	ON	ON	ON	LED turn to standby if no power supply
	Temperature, over-current, Failure protection	OFF	OFF	OFF	OFF	OFF	OFF	Stop charging
Discharge	Nominal	ON	OFF	Follow module capacity				
	Warning	ON	Flash 3					
	Under voltage Protection	OFF	OFF	OFF	OFF	OFF	OFF	Stop discharging
	Temperature, over-current, short circuit, failure protection	OFF	ON	OFF	OFF	OFF	OFF	Stop discharging
Failure		OFF	ON	OFF	OFF	OFF	OFF	Stop charging and discharging

Note:

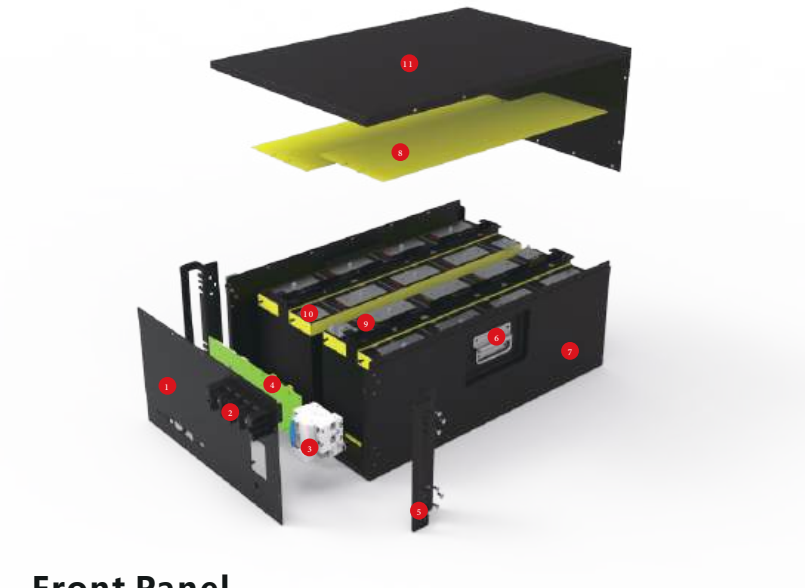
Flash 1: light 0.25s/off 3.75s

Flash 2: light 0.5s/ off 0.5s

Flash 3: light 0.5s / off 1.5s

internal structure

- | | |
|----------------------------------|------------------------------------|
| 1 Front Panel-SPCC with spraying | 7 Case -SPCC with spraying |
| 2 Power Terminal -150A | 8 Epoxy board |
| 3 Controlled MCB -DC 200A | 9 LiFePO4 cell - 3.2V 205Ah, 1P16S |
| 4 BMS - 16S 150A | 10 Aluminum - AL1060 |
| 5 Brackets-SPCC with spraying | 11 Top Cover -SPCC with spraying |
| 6 Handle- Stainless steel | |



Front Panel

