AA Portable Power Corp
825 S 19th Street, Richmond, CA 94804
Tel: 510-525-2328 Fax: 510-439-2808
http://www.batteryspace.com Sales@batteryspace.com

SPECIFICATION OF LFP-G400AH

Nominal Capacity	400Ah	Working Voltage	Nominal cell voltage：3.20V
			Single cell charge：3.80V
			Battery pack charge：3.55V
			Single cell discharge：2.50V
			Battery pack discharge：2.80V
Max Charging Current	≤3C	Max Discharging Current	Continuous Current ：≤3C
			Impulse Current (<10s) ：≤10C
Standard Charging Current	0.3~0.8C	Ideal Charging Current	0.5C
Internal Resistance	≤0.5mΩ	Cycle Life	≥2000 cycles（80%DOD）
TemperatureResistance of Casing	≤135℃	Operating Temperature	Charge：0℃-65℃
			Discharge：-20℃-65℃
Self-DischargeRate (month)	≤3%	Cell Weight	13.2±0.15kg
Dimensions	365mm*73mm*312mm		

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IMPORTANT SAFETY INOFRMATION

1) Li-ion battery cells are to be used with a battery management system (BMS). Each Li-ion battery cell must be monitored and automatically protected by a BMS system against over-charge and over-discharge conditions. Over-charge and over-discharge conditions will cause permanent damage to battery cells and packs, and possibly create unsafe operating conditions, such as fire.

2) Avoid short circuiting battery cells or packs. A short circuit condition will cause permanent damage to battery cells and packs, and possibly create an unsafe operating condition, such as fire. Use caution when installing bus bars, cables and BMS components on the cell terminals. Tools, such as screw drivers and wrenches should be of a properly rated electrically insulated type.

3) Make sure that the surfaces of battery terminals and bus bars are clean and dry. All screws must be tightened properly on the battery terminals before battery is used. Loose connections will result in high contact resistance, heat generation, and can potentially be a fire hazard.

4) Make sure bus bar stacks, terminal connectors and cables are adequately sized to handle the maximum charge and discharge current. Inadequately sized bus bar stacks, connectors and cables will cause over-heat and result in a potential fire hazard. Always use current limiting devices such as fuses or circuit breakers.

5) There is risk of electric shock when working on a Li-ion battery pack. Always wear personal protective equipment (PPE) when working on a battery pack per Occupational Safety and Health Administration (OSHA) and National Electric Code (NEC) guidelines.

6) Cells are strapped with Aluminum plates and steel bars. The strapping hardware provides compression to the pack and prevents possible swelling. Removing this strapping hardware may result in cells swelling during use, which will result in accelerated aging and shorter lifetime.

7) Be absolutely certain that all the above safety instructions are strictly followed. Supplier is not responsible for any safety issue if the above instructions are not followed.

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Cell Picture

Picture of 4-cell Pack

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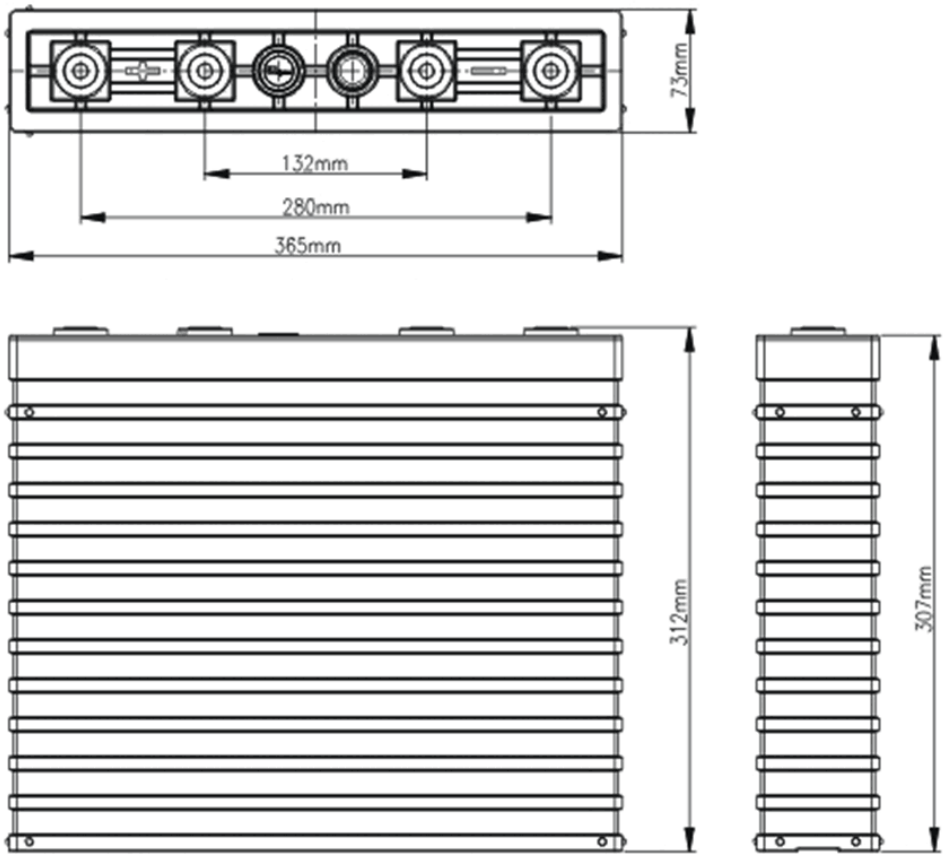
Cell Dimensions