

LITHIUM IRON PHOSPHATE BATTERY — LP16-24230

ELECTRICAL PERFORMANCE

Nominal Voltage	25.6V
Nominal Capacity	230Ah
Capacity @ 0.2C	300min
Energy	5888Wh
Communication	CAN2.0/RS232/RS485
Resistance	≤50 mΩ @ 50% SOC
Efficiency	>96%
Recommended Charge Current	0.2C(50A)
Maximum Continuous Discharge Current	100A
Maximum load power	2.2KW
Recommended Charge Voltage	29.2V
BMS Charge Cut-Off Voltage	<29.2V (3.65V/Cell)
Reconnect Voltage	>28.8V (3.6V/Cell)
Balancing Voltage	<28.8V (3.6V/Cell)
Balancing open voltage	27.6V (3.45V/Cell)
Recommended Low Voltage Disconnect	22V (2.75V/Cell)
BMS Discharge Cut-Off Voltage	>40.0V (2s) (2.5V/Cell)
Reconnect Voltage	>27.6V (2.75V/Cell)



DISCHARGE PERFORMANCE

Dimension (L x W x H)	560*495*325 mm
Approx. Weight	85 kg
Terminal Type	DIN POST
Terminal Torque	80~100 in-lbs (9~11 N-m)
Case Material	SPPC
Enclosure Protection	IP40

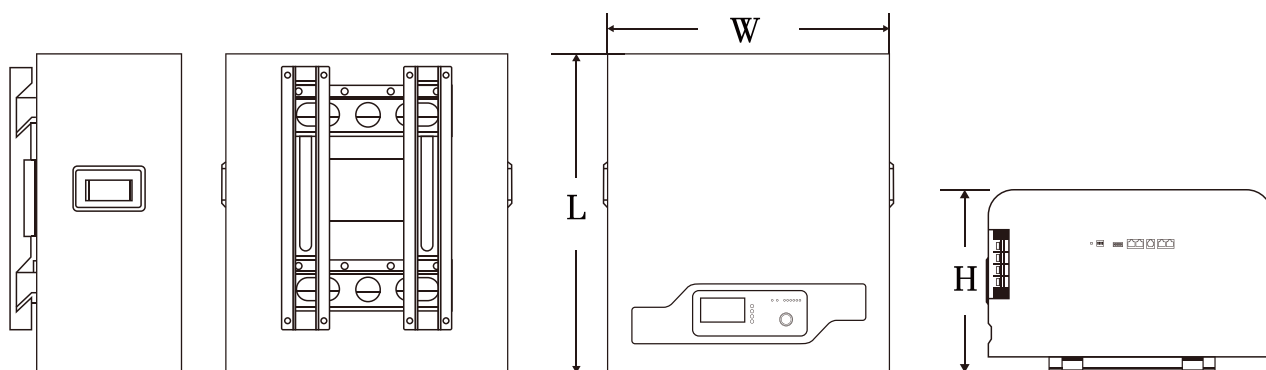
DISCHARGE PERFORMANCE

Discharge Temperature	-4~131 °F (-20~55 °C)
Charge Temperature	-4~113 °F (0~45 °C)
Storage Temperature	23 ~95 °F (-5~35 °C)
BMS High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	131 °F (55 °C)

COMPLIANCE

Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9

OUTLINE DIMENSION

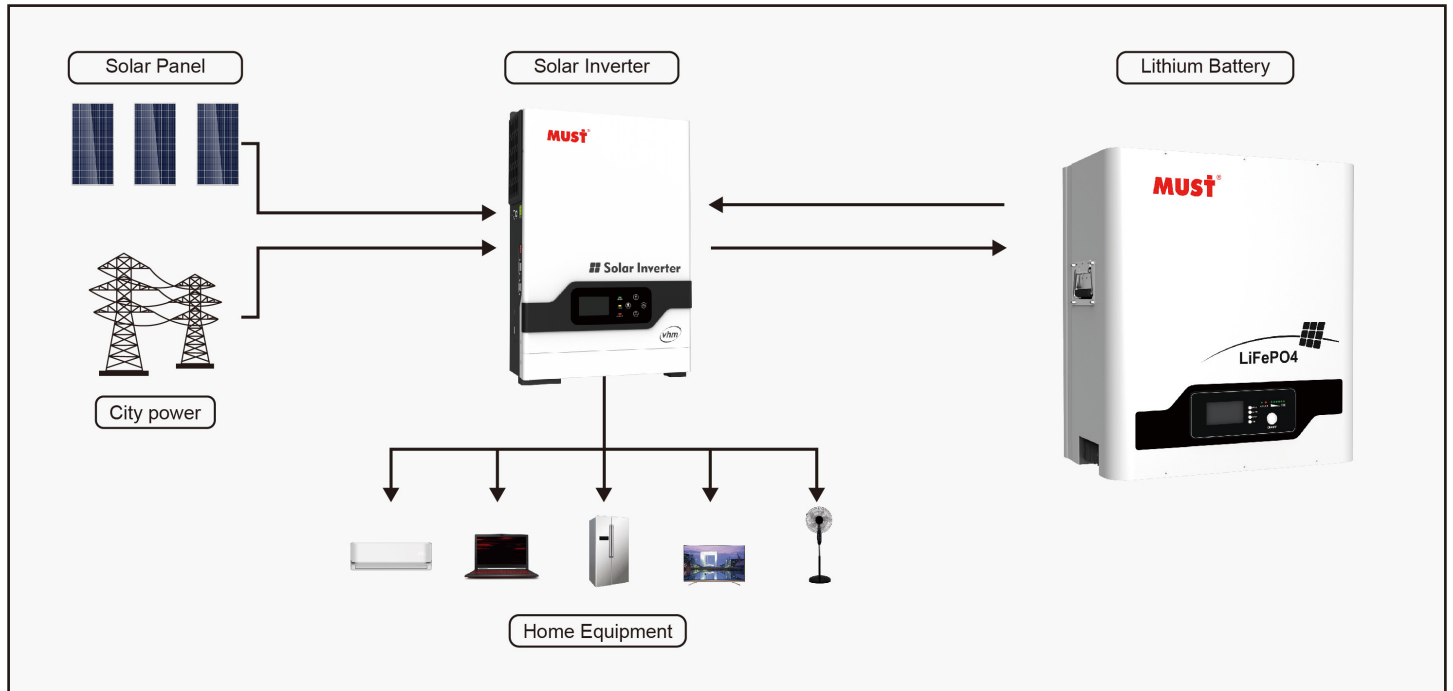


L mm(")	W mm(")	H mm(")
560(22)	495(19.5)	325(12.8)

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.

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SYSTEM DIAGRAM



FEATURES & BENEFITS



High cycle life

4000 cycles @80% DoD for effectively lower total of ownership cost.



Longer service life

Low maintenance batteries with stable chemistry.



Built in circuit protection

Battery Management System (BMS) is incorporated against abuse.



Better storage

up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.

APPLICATIONS

Lithium Iron Phosphate can be used in most applications that use Lead Acid, GEL or AGM type batteries. Suitable applications include:

- Solar Storage
- Switching applications and more
- Base transceiver station
- Communication equipments
- Central office
- Telecommunication systems
- Electronic cash registers
- Microprocessor based office machine
- UPS

CAUTIONS

- Do NOT short circuit, reverse polarity, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Store at 30~50% SOC. Recharging every 3 months is recommended. The storage area should be clean, cool, dry and ventilated.