



PRODUCT CATALOGUE

LITHIUM IRON PHOSPHATE BATTERY

— MUST ENERGY TECHNOLOGY CO.,LTD —

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— MUST ENERGY TECHNOLOGY CO.,LTD —

COMPANY PROFILE

- ▶ **1998**
Founded in 1998
- ▶ **20000 m²**
Factory covers an area of 20,000 square meters with automatic production technology
- ▶ **60000 +**
Monthly Production 60000 pcs
- ▶ **100 +**
Must serves more than 100 countries and regions around the world

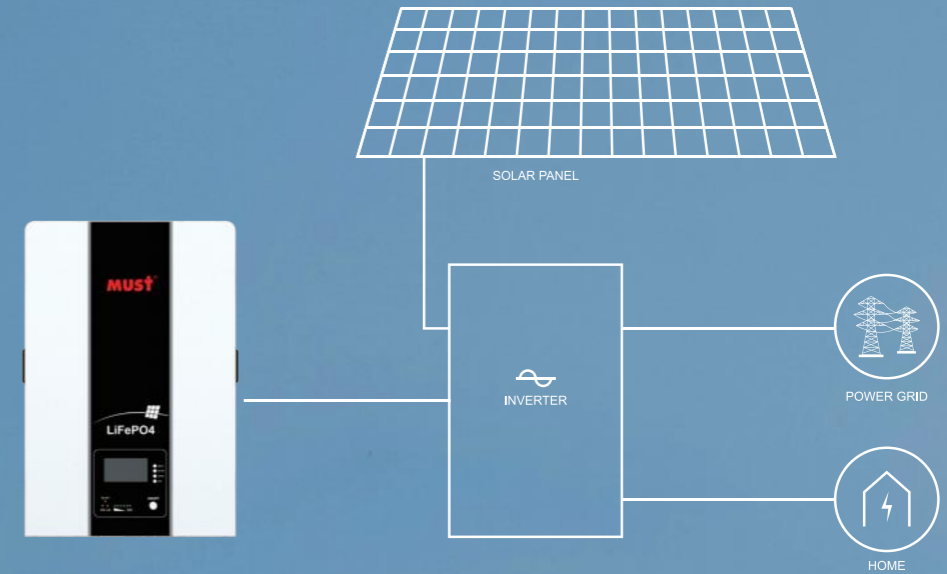
MUST ENERGY Established in Shenzhen, China in 1998. Which is a leading manufacturer of power protection products and service solutions including Uninterruptible Power Supplies (UPS), Power Inverters, Solar Inverters, Charge Controllers, Batteries and Automatic Voltage Regulators(AVR).

MUST has two R&D centers in Shenzhen and Foshan. It has more than 100 patents and can provide customers with advanced product development and design, comprehensive product development and testing, and automated information production. Branches and UNPROFOR, distributed around the world, provide users with professional logistics support for solutions, technical training and service support, which can serve customers more conveniently and quickly.

MUST has established an enviable reputation based on passion, quality, innovation, reliability and integrity for power protection technology, service excellence, complete customer satisfaction and confidence unmatched within the industry.



HOME SOLAR STORAGE



LITHIUM IRON PHOSPHATE BATTERY

May the power be with you

MUST

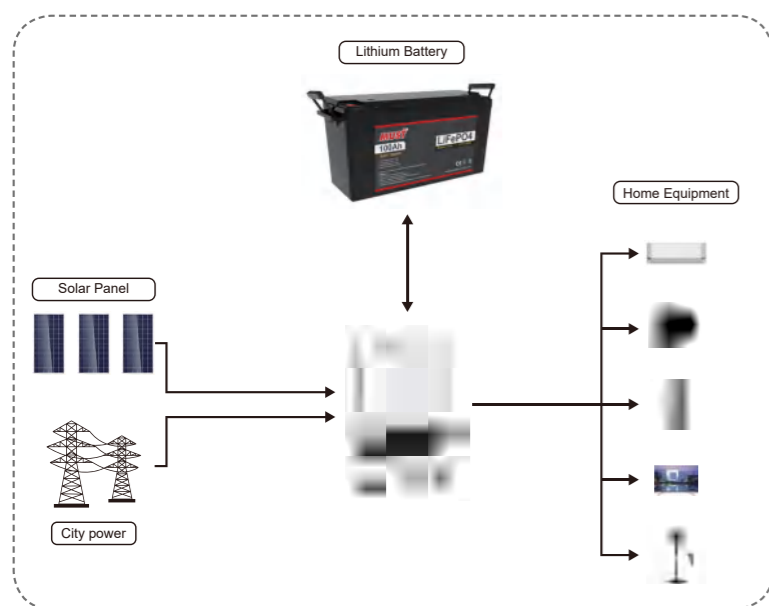


LP1500 Series

The Must LP1500 SERIES LiFePO4 battery is fit for E-mobility, Energy Storage System, Defense & Security, telecom outdoor applications, renewable energy systems, and other harsh environment applications.

* Custom capacity is acceptable.

System Diagram



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.



Function

Support parallel operation

LITHIUM IRON PHOSPHATE BATTERY LP1500 SERIES

MUST

Specifications

| MODEL | | LP15-1250 | LP15-12100 | LP15-12200 | LP15-24100 | LP15-24120 | LP15-24125 | LP15-24200 | |
|---|--|---|---|---|---|---|---|------------|-------------------|
| LiFePO4 Battery | Nominal voltage | 12.8V | | | 25.6V | | | | |
| | Nominal Capacity | 50Ah | 100Ah | 200Ah | 100Ah | 120Ah | 125Ah | 200Ah | |
| | Nominal energy | 640Wh | 1280Wh | 2560Wh | 2560Wh | 3072Wh | 3200Wh | 5120Wh | |
| | Life Cycles | 4000+ (80% DoD for effectively lower total of ownership cost) | | | | | | | |
| | Recommended Charge Voltage | 14.6V | | | 29.2V | | | | |
| | Recommended Charge Current | 20.0A | | | | | | | |
| | End of discharge voltage | 10.0V | | | 20.0V | | | | |
| | Standard method | Charge | 10.0A | 20.0A | 40.0A | 20.0A | 24.0A | 25.0A | 40.0A |
| | | Discharge | 25.0A | 50.0A | 100.0A | 50.0A | 60.0A | 62.0A | 100.0A |
| | Maximum continuous current | Charge | 50.0A | 50A/100A | 200.0A | 100.0A | 120.0A | 125.0A | 100.0A/ 200.0A |
| | | Discharge | 50.0A | 50A/100A | 200.0A | 100.0A | 120.0A | 125.0A | 100.0A/ 200.0A |
| | BMS Cut-Off Voltage | Charge | <15.6 V (3.9V/Cell) | | | <31.2 V (3.9V/Cell) | | | |
| | | Discharge | >8.0 V (2s) (2.0V/Cell) | | | >16.0 V (2s) (2.0V/Cell) | | | |
| | Temperature | Charge | -4 ~ 113 °F (0 ~ 45°C) | | | | | | |
| Discharge | | -4 ~ 131 °F (-20 ~ 55 °C) | | | | | | | |
| Storage Temperature | 23~95 °F (-5~35°C) | | | | | | | | |
| Shipment voltage | ≥12.8V | | | ≥25.6V | | | | | |
| Case Material | ABS+PC | | | | | | | | |
| Dimension (L x W x H) | 228 x 144 x 210 mm 9.0 x 5.7 x 8.3" | 320 x 172 x 215 mm 12.6 x 6.7 x 8.5" | 483 x 170 x 240 mm 19.0 x 6.7 x 9.4" | 483 x 170 x 240 mm 19.0 x 6.7 x 9.4" | 345 x 190 x 245 mm 13.6 x 7.5 x 9.6" | 522 x 240 x 218 mm 20.6 x 9.5 x 8.6" | 522 x 240 x 218 mm 20.6 x 9.5 x 8.6" | | |
| Approx. Weight | 16.53 lbs (7.5 kg) | 26.5 lbs (12 kg) | 50.7 lbs (23 kg) | 49.6 lbs (22.5 kg) | 59.5 lbs (27 kg) | 61.7 lbs (28kg) | 99.2 lbs (45 kg) | | |
| Charge retention and capacity recovery capability | Standard charge the battery, and then put aside at room temperature for 28d or 55 °C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90 | | | | | | | | |

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LITHIUM IRON PHOSPHATE BATTERY

MUST

May the power be with you

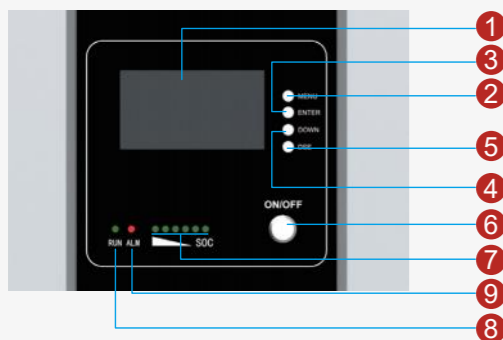


LP1600 Series

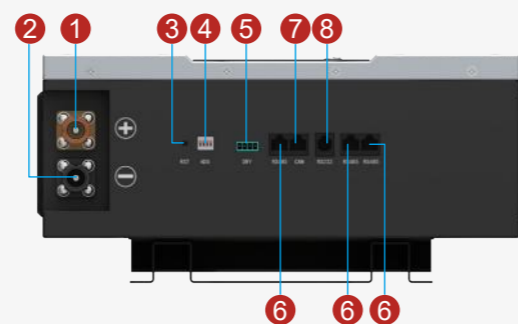
MUST wall mounted Lithium battery (LiFePO4 Battery) solutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation and expansion.

* Custom capacity is acceptable.

Pic of Input & Output Port



1. LCD display
2. Menu buttons
3. Enter buttons
4. Down buttons
5. DES buttons
6. Switch on/off
7. SOC indicator
8. RUN indicator
9. Alarm indicator



1. BAT+
2. BAT-
3. RST port
4. ADS switch
5. DRY port
6. RS485 communication port
7. CAN port
8. RS232 communication port

LITHIUM IRON PHOSPHATE BATTERY LP1600 SERIES

MUST

Specifications

| MODEL | LP16-4850 | LP16-48100 | LP16-48200 | |
|---|--|---|---|--------|
| Nominal voltage | 51.2V | | | |
| Nominal Capacity | 50Ah | 100Ah | 200Ah | |
| Nominal energy | 2560Wh | 5120Wh | 10240Wh | |
| Life Cycles | 4000+ (80% DoD for effectively lower total of ownership cost) | | | |
| Recommended Charge Voltage | 57.6V | | | |
| Recommended Charge Current | 20.0A | | | |
| End of discharge voltage | 44.0V | | | |
| Standard method | Charge | 10.0A | 20.0A | 40.0A |
| | Discharge | 25.0A | 50.0A | 100.0A |
| Maximum continuous current | Charge | 50.0A | 100.0A | 100.0A |
| | Discharge | 50.0A | 100.0A | 100.0A |
| BMS Cut-Off Voltage | Charge | <58.4 V (3.65V/Cell) | | |
| | Discharge | >32.0V (2s) (2.0V/Cell) | | |
| Temperature | Charge | -4 ~ 113 °F (0 ~ 45 °C) | | |
| | Discharge | -4 ~ 131 °F (-20 ~ 55 °C) | | |
| Storage Temperature | 23~95 °F (-5~35 °C) | | | |
| Shipment voltage | ≥51.2V | | | |
| Module Parallel | Up to 4 units | | | |
| Communication | CAN2.0/RS232/RS485 | | | |
| Case Material | SPPC | | | |
| Dimension (L x W x H) | 525 x 350 x 135 mm 20.7 x 13.8 x 5.3" | 580 x 400 x 145mm 22.8 x 15.7 x 5.7" | 580 x 420 x 230 mm 22.83 x 16.54 x 9.06" | |
| Approx. Weight | 50.71lbs (23 kg) | 97lbs (44kgs) | 180.78 lbs (82 kg) | |
| Charge retention and capacity recovery capability | Standard charge the battery, and then put aside at room temperature for 28d or 55 °C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90 | | | |



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.



Function
Support parallel operation

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LITHIUM IRON PHOSPHATE BATTERY

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May the power be with you

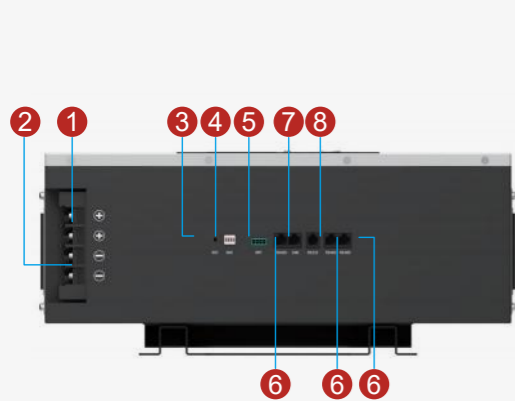


LP1600 Series

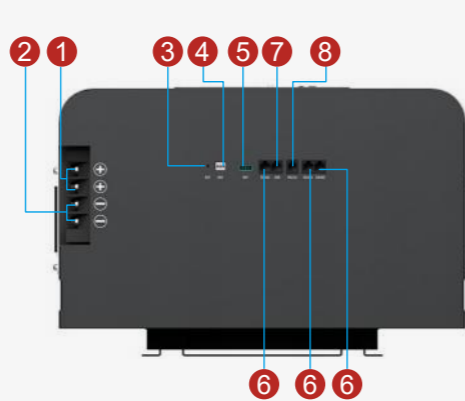
MUST LP1600 wall mounted Lithium battery is with a ground-breaking BYD LiFePO4 battery packsolutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation.

* Custom capacity is acceptable.

Pic of Input & Output Port



LP16-24200



LP16-24230

1. BAT+
2. BAT-
3. RST port
4. ADS switch
5. DRY port
6. RS485 communication port
7. CAN port
8. RS232 communication port

LITHIUM IRON PHOSPHATE BATTERY LP1600 SERIES (BYD BATTERY)

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Specifications

| MODEL | | LP16-24200 | LP16-24230 | LP16-24250 |
|---|--|---|--|---|
| LiFePO4 Battery | Nominal voltage | 25.6V | | |
| | Nominal Capacity | 200Ah | 230Ah | 250Ah |
| | Nominal energy | 5120Wh | 5888Wh | 6400Wh |
| | Life Cycles | 4000+ (80% DoD for effectively lower total of ownership cost) | | |
| | Recommended Charge Voltage | 29.2V | | |
| | Recommended Charge Current | 0.2C(40A) | 0.2C(46A) | 0.2C(50A) |
| | End of discharge voltage | 22.0V | | |
| | Standard method | Charge | 100.0A | |
| | Maximum continuous current | Discharge | 100.0A | |
| | BMS Cut-Off Voltage | Charge | <29.2 V (3.65V/Cell) | |
| | | Discharge | >40.0V (2.5V/Cell) | |
| | Temperature | Charge | -4 ~ 113 °F (0 ~ 45 °C) | |
| | | Discharge | -4 ~ 131 °F (-20 ~ 55 °C) | |
| | Storage Temperature | 23~95 °F (-5~35 °C) | | |
| | Shipment voltage | ≥25.6V | | |
| | Module Parallel | non | | |
| | Communication | CAN2.0/RS232/RS485 | | |
| | Case Material | SPPC | | |
| | Dimension (L x W x H) | 697 x 490 x 212mm 27.5 x 19.3 x 8.3" | 560 x 495 x 325mm 22 x 19.5 x 12.8" | 678 x 466 x 224mm 26.7 x 18.3 x 8.8" |
| Approx. Weight | 178.5lbs (81kg) | 187.39lbs (85kg) | 187.39lbs (85kg) | |
| Charge retention and capacity recovery capability | Standard charge the battery, and then put aside at room temperature for 28d or 55 °C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90 | | | |



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



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



Longer service life
Low maintenance batteries with stable chemistry.



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



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Battery Management System (BMS) is incorporated against abuse.



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

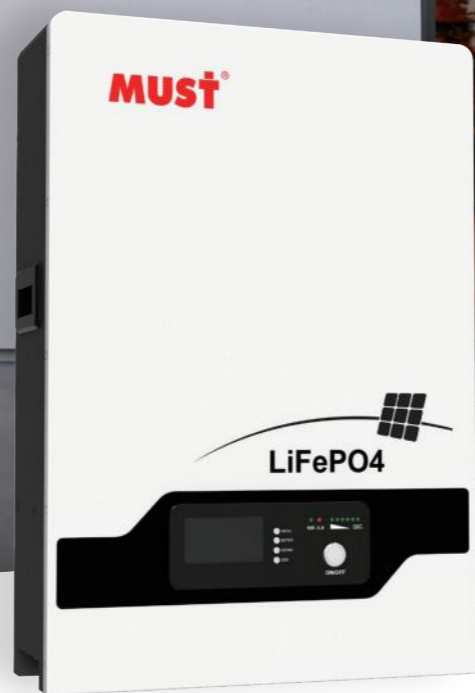


Better storage
Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.

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LITHIUM IRON PHOSPHATE BATTERY

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LITHIUM IRON PHOSPHATE BATTERY LP1600 SERIES (CATL & EVE CELL)

MUST

Specifications

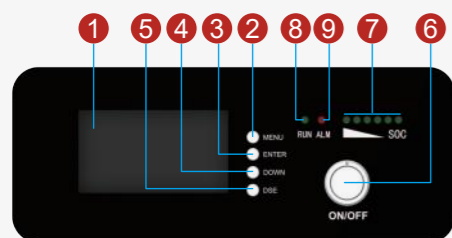
| MODEL | | LP16-25162 | LP16-51162 | LP16-25163 | LP16-51163 | |
|---|--|---|---------------------------|-------------------------|-------------------------|-------------------------|
| LiFePO4 Battery | Nominal voltage | 25.6V | 51.2V | 25.6V | 51.2V | |
| | Nominal Capacity | 162Ah | | 163Ah | | |
| | Nominal energy | 4147.2Wh | 8294.4Wh | 4172.8Wh | 8345.6Wh | |
| | Life Cycles | 4000+ (80% DoD for effectively lower total of ownership cost) | | | | |
| | Recommended Charge Voltage | 29.2V | 58.4V | 29.2V | 58.4V | |
| | Recommended Charge Current | 0.2C(32.4A) | | 0.2C(32.6A) | | |
| | End of discharge voltage | 22.0V | 44.0V | 22.0V | 44.0V | |
| | Standard method | Charge | 32.4A | 32.4A | 32.6A | 32.6A |
| | | Discharge | 81A | 81A | 81.5A | 81.5A |
| | Maximum continuous current | Charge | 162.0A | 162.0A | 163.0A | 163.0A |
| | | Discharge | 162.0A | 162.0A | 163.0A | 163.0A |
| | BMS Cut-Off Voltage | Charge | <29.2V (3.65V/Cell) | <58.4V (3.65V/Cell) | <29.2V (3.65V/Cell) | <58.4V (3.65V/Cell) |
| | | Discharge | >16.0V (2s) (2.0V/Cell) | >32.0V (2s) (2.0V/Cell) | >16.0V (2s) (2.0V/Cell) | >32.0V (2s) (2.0V/Cell) |
| | Temperature | Charge | -4 ~ 113 °F (0 ~ 45°C) | | | |
| | | Discharge | -4 ~ 131 °F (-20 ~ 55°C) | | | |
| | Storage Temperature | 23~95°C (-5~35°C) | | | | |
| Shipment voltage | ≥25.6V | ≥51.2V | ≥25.6V | ≥51.2V | | |
| Communication | CAN2.0/RS232/RS485 | | | | | |
| Case Material | SPPC | | | | | |
| Dimension (L x W x H) | / | / | / | / | | |
| Approx. Weight | / | / | / | / | | |
| Charge retention and capacity recovery capability | Standard charge the battery, and then put aside at room temperature for 28d or 55 °C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90 | | | | | |

LP1600 Series

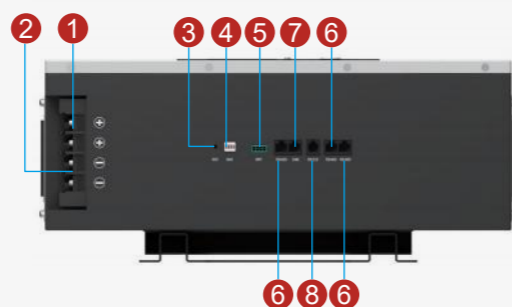
MUST LP1600 wall mounted Lithium battery is with a ground-breaking CATL & EVE LiFePO4 battery packsolutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation.

* Custom capacity is acceptable.

Pic of Input & Output Port



1. LCD display
2. Menu buttons
3. Enter buttons
4. Down buttons
5. DES buttons
6. Switch on/off
7. SOC indicator
8. RUN indicator
9. Alarm indicator



1. BAT+
2. BAT-
3. RST port
4. ADS switch
5. DRY port
6. RS485 communication port
7. CAN port
8. RS232 communication port



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.



Function
Support parallel operation

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LITHIUM IRON PHOSPHATE BATTERY

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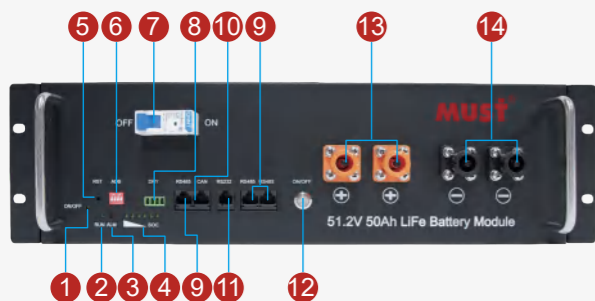


LP1800 Series

MUST's 19 inches rack standard backup battery is based on Lithium iron phosphate battery, It has been designed to provide backup power for telecom equipment or energy storage system in household. It has excellent safety, high energy density, long lifetime, very nice temperature performance, green power newly of excellent safety and high reliability.

* Custom capacity is acceptable.

Pic of Input & Output Port



- | | |
|---------------------|------------------------------|
| 1. ON/OFF indicator | 8. DRY port |
| 2. RUN indicator | 9. RS485 communication port |
| 3. Alarm indicator | 10. CAN port |
| 4. SOC indicator | 11. RS232 communication port |
| 5. RST port | 12. Start buttons |
| 6. ADS switch | 13. BAT+ |
| 7. Power switch | 14. BAT- |

LITHIUM IRON PHOSPHATE BATTERY LP1800 SERIES

MUST

Specifications

| MODEL | | LP18-4850 | LP18-48100 | LP18-48200 |
|---|-----------|--|---|--|
| Nominal voltage | | 51.2V | | |
| Nominal Capacity | | 50Ah | 100Ah | 200Ah |
| Nominal energy | | 2560Wh | 5120Wh | 10240Wh |
| Life Cycles | | 4000+ (80% DoD for effectively lower total of ownership cost) | | |
| Recommended Charge Voltage | | 57.6V | | |
| Recommended Charge Current | | 20.0A | | |
| End of discharge voltage | | 44.0V | | |
| Standard method | Charge | 10.0A | 20.0A | 40.0A |
| | Discharge | 25.0A | 50.0A | 100.0A |
| Maximum continuous current | Charge | 50.0A | 100.0A | 100.0A |
| | Discharge | 50.0A | 100.0A | 100.0A |
| BMS Cut-Off Voltage | Charge | <58.4 V (3.65V/Cell) | | |
| | Discharge | >32.0V (2s) (2.0V/Cell) | | |
| Temperature | Charge | -4 ~ 113 °F (0 ~ 45 °C) | | |
| | Discharge | -4 ~ 131 °F (-20 ~ 55 °C) | | |
| Storage Temperature | | 23~95 °F (-5~35 °C) | | |
| Shipment voltage | | ≥51.2V | | |
| Module Parallel | | Up to 4 units | | |
| Communication | | CAN2.0/RS232/RS485 | | |
| Case Material | | SPPC | | |
| Dimension (L x W x H) | | 482 x 410 x 133 mm 19.0 x 16.1 x 5.2" | 482 x 480 x 133mm 19.0 x 18.9 x 5.2" | 482 x 500 x 222 mm 19.0 x 19.7 x 8.7" |
| Approx. Weight | | 55.11 lbs (25 kg) | 97 lbs (44 kg) | 176.3 lbs (80 kg) |
| Charge retention and capacity recovery capability | | Standard charge the battery, and then put aside at room temperature for 28d or 55 °C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90 | | |



High cycle life

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



Quickly recharge

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



Longer service life

Low maintenance batteries with stable chemistry.



Extreme heat tolerance

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



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Lightweight

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



Better storage

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



Function

Support parallel operation

LITHIUM IRON PHOSPHATE BATTERY

May the power be with you



LP1900 Series

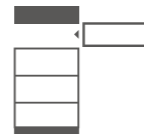
MUST LP1900 Series is a lithium iron phosphate (LiFePO4) battery that offers multiple energy storage options through an expandable modular design (3-5 modules combined), which further simplifies installation and O&M with multiple smart functions.

* Custom capacity is acceptable.



MODULES COMBINED

Easy plug-in installation



EXTEND ANYTIME

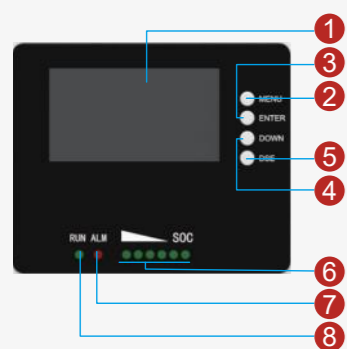
Adapt to new requirements



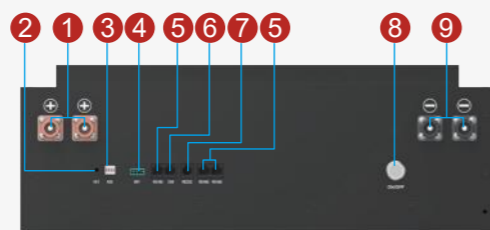
HIGH POWER

Power for all applications

Pic of Input & Output Port



1. LCD display
2. Menu buttons
3. Enter buttons
4. Down buttons
5. DES buttons
6. SOC indicator
7. RUN indicator
8. Alarm indicator



1. BAT+
2. RST port
3. ADS port
4. DRY port
5. RS485 communication port
6. RS232 communication port
7. CAN port
8. ON/OFF indicator
9. BAT-

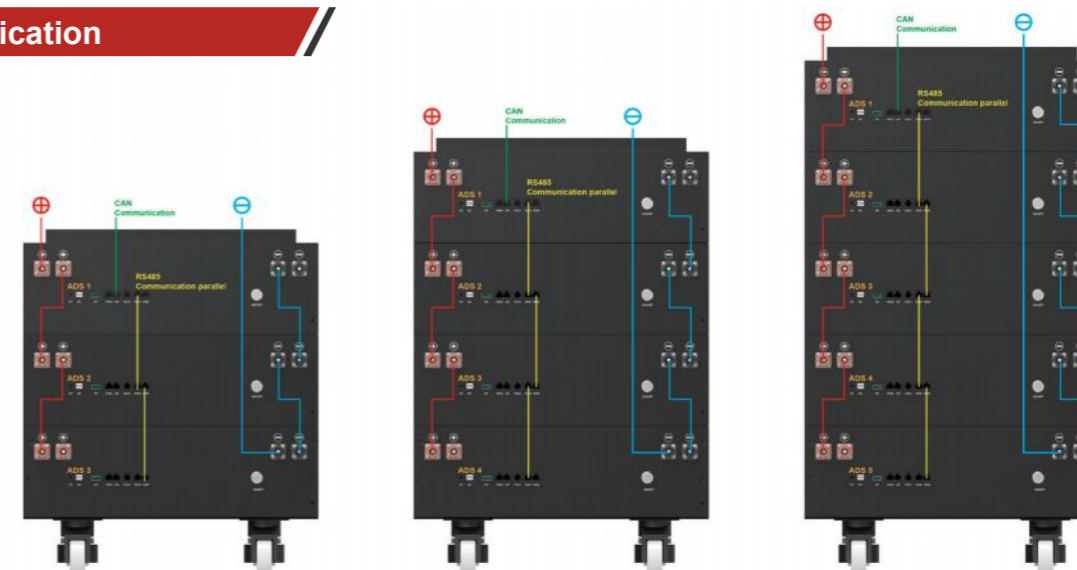
LITHIUM IRON PHOSPHATE BATTERY LP1900 SERIES

MUST®

Specifications

| MODEL | LP19-48300 | LP19-48400 | LP19-48500 |
|--------------------------------------|----------------|---|----------------|
| Nominal Voltage | | 51.2 V | |
| Nominal Capacity | 300 Ah | 400 Ah | 500 Ah |
| Energy | 15360 Wh | 20480 Wh | 25600 Wh |
| Communication | | CAN2.0/RS232/RS485 | |
| Resistance | | ≤50 mΩ @ 50% SOC | |
| Efficiency | | ≤96% | |
| Recommended Charge Current | | 100A | |
| Maximum Continuous Discharge Current | | 100 A | |
| Maximum load power | | 5KW | |
| Recommended Charge Voltage | | 57.6V | |
| BMS Charge Cut-Off Voltage | | <58.4 V (3.65V/Cell) | |
| Reconnect Voltage | | >57.6 V (3.6V/Cell) | |
| Balancing Voltage | | <57.6 V (3.6V/Cell) | |
| Balancing open voltage | | 55.2V (3.45V/Cell) | |
| Recommended Low Voltage Disconnect | | 44 V (2.75V/Cell) | |
| BMS Discharge Cut-Off Voltage | | >40.0V (2s) (2.5V/Cell) | |
| Reconnect Voltage | | >44.0 V (2.75V/Cell) | |
| 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) | |
| Dimension (L x W x H) | 537*498*697 mm | 537*498*830 mm | 537*498*962 mm |
| Approx. Weight | 140 kg | 190 kg | 240 kg |
| Terminal Type | | DIN POST | |
| Terminal Torque | | 80 ~ 100 in-lbs (9 ~ 11 N-m) | |
| Case Material | | SPPC | |
| Enclosure Protection | | IP20 | |
| Certifications | | CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells) | |
| Shipping Classification | | UN 3480, CLASS 9 | |

Communication



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LITHIUM IRON PHOSPHATE BATTERY

MUST®

May the power be with you



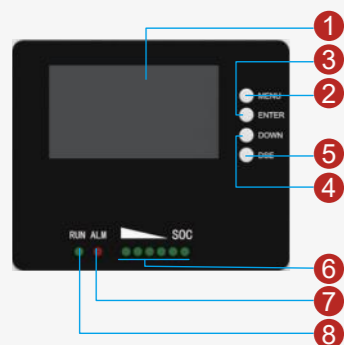
LP2000 Series

LP2000 is a new type of lithium battery energy storage system. Energy storage is configured differently depending on the needs of the home, the battery capacity is 5.12kWh to 12.8kWh. Very suitable for home emergency power storage as solar battery.

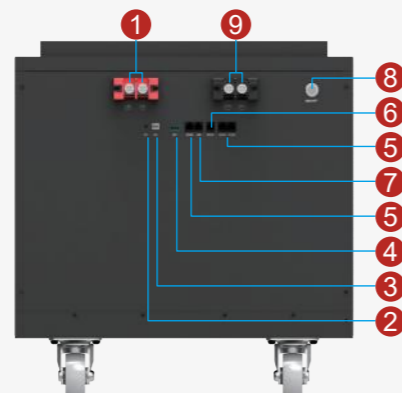
* Custom capacity is acceptable.

- + High-Efficient Energy Storage Batteries.
- + Modular design providing escort in emergency.
- + The safest lithium solar battery material (LFP) battery
- + Integrated battery management system (BMS)
- + Battery system designed for PV household application
- + Longer cycle life ≥4000 cycles

Pic of Input & Output Port



1. LCD display
2. Menu buttons
3. Enter buttons
4. Down buttons
5. DES buttons
6. SOC indicator
7. RUN indicator
8. Alarm indicator



1. BAT+
2. RST port
3. ADS port
4. DRY port
5. RS485 communication port
6. RS232 communication port
7. CAN port
8. ON/OFF indicator
9. BAT-

LITHIUM IRON PHOSPHATE BATTERY LP2000 SERIES

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Specifications

| MODEL | LP20-25200 | LP20-25250 | LP20-51200 | LP20-51250 |
|--------------------------------------|---|------------|-------------------------|------------|
| Nominal Voltage | 25.6V | | 51.2V | |
| Nominal Capacity | 200Ah | 250Ah | 200Ah | 250Ah |
| Energy | 5120Wh | 6400Wh | 10240Wh | 12800Wh |
| Communication | CAN2.0/RS232/RS485 | | | |
| Resistance | ≤50 mΩ @ 50% SOC | | | |
| Efficiency | ≤96% | | | |
| Recommended Charge Current | 100A | | | |
| Maximum Continuous Discharge Current | 100A | | | |
| Maximum load power | 2.5KW | | 5KW | |
| Recommended Charge Voltage | 28.8V | | 57.6V | |
| BMS Charge Cut-Off Voltage | <29.2 V (3.65V/Cell) | | <58.4 V (3.65V/Cell) | |
| Reconnect Voltage | >28.8 V (3.6V/Cell) | | >57.6 V (3.6V/Cell) | |
| Balancing Voltage | <28.8 V (3.6V/Cell) | | <57.6 V (3.6V/Cell) | |
| Balancing open voltage | 27.6V (3.45V/Cell) | | 55.2V (3.45V/Cell) | |
| Recommended Low Voltage Disconnect | 22V (2.75V/Cell) | | 44V (2.75V/Cell) | |
| BMS Discharge Cut-Off Voltage | >20.0V (2s) (2.5V/Cell) | | >40.0V (2s) (2.5V/Cell) | |
| Reconnect Voltage | >22.0V (2.75V/Cell) | | >44.0V (2.75V/Cell) | |
| 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) | | | |
| Dimension (L x W x H) | 540*450*473mm | | 540*450*636mm | |
| Terminal Type | DIN POST | | | |
| Terminal Torque | 80 ~ 100 in-lbs (9 ~ 11 N-m) | | | |
| Case Material | SPPC | | | |
| Enclosure Protection | IP20 | | | |
| Certifications | CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells) | | | |
| Shipping Classification | UN 3480, CLASS 9 | | | |

The technical specifications of this document are subject to change without any notice