



OPTIMAL STORAGE SOLUTIONS FOR SOLAR ENERGY

Stable power supply
Sustainable investment



XinPz Battery Comprehensive Product Catalog

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LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY

Model: LFP-12.8V100Ah, 200Ah, 300Ah



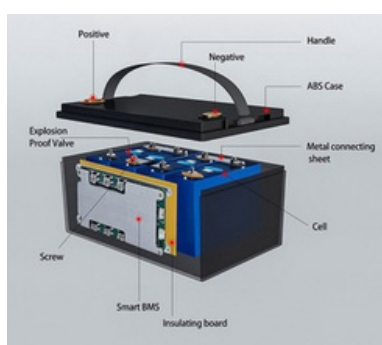
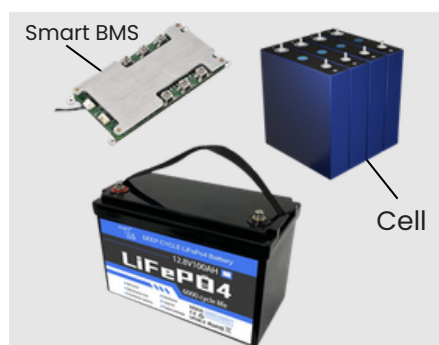
12.8V100AH = 1.28KWH
 12.8V200AH = 2.56KWH
 12.8V300AH = 3.84KWH

The 12.8V LiFePO4 (Lithium Iron Phosphate) battery is a type of lithium battery specifically designed for energy storage. It consists of four LiFePO4 cells (3.2V/cell) connected in series, creating a nominal voltage of 12.8V.

CE MSDS UN38.3

- Safe, environmentally friendly, and non-polluting
- Long life 6000 cycles
- Fast charging and low self-discharge
- 70% lighter than lead-acid battery
- Built in BMS battery protection & Smartrter

lithium iron phosphate (LiFePo4) battery 12.8v detailed structure



Technical Data

Product Name	LiFePo4 Pack		
Nominal Voltage	12.8V		
Nominal Capacity	100Ah	200Ah	300Ah
Nominal Energy	1.28Kwh	2.56Kwh	3.84Kwh
Charge Current	50A	60A	60A
Discharge Current	100A	120A	120A
Charge Voltage	14.6V		
Discharge Voltage	11.2V		
Product Dimension	L33*W16*H22 mm	L25*W17*H22mm	L50*W23*H23 mm
Weight	9Kg	15Kg	25Kg
Warranty	2 years		

LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY

Model: LFP-25.6V100Ah, 200Ah, 300Ah



25.6V100AH = 2.56KWH

25.6V200AH = 5.12KWH

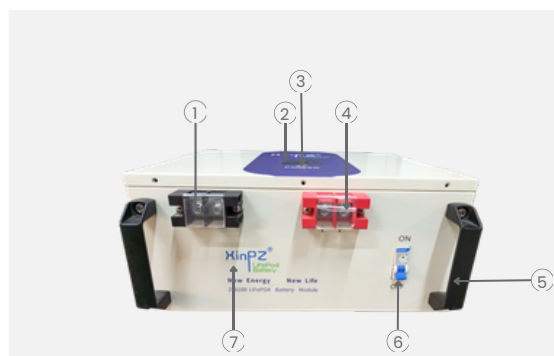
25.6V300AH = 7.68KWH

The 25.6V LiFePO4 battery is a specialized lithium battery for medium to large-scale energy storage systems, constructed from 8 LiFePO4 cells (3.2V/cell) connected in series, creating a nominal voltage of 25.6V

CE MSDS UN38.3

- Safe, environmentally friendly, and non-polluting
- Long life 6000 cycles
- Fast charging and low self-discharge
- 70% lighter than lead-acid battery
- Built in BMS battery protection & Smartrter

lithium iron phosphate (LiFePo4) battery 12.8v detailed structure



- | | |
|-----------------------|-----------------------------|
| 1. Bat - | 5. Carrying Handle |
| 2. led screen | 6. ON/OFF Indicator |
| 3. start power button | 7. RS232 Communication Port |
| 4. Bat + | |

Technical Data

Product Name	LiFePo4 Pack		
Nominal Voltage	25.6V	25.6V	25.6V
Nominal Capacity	100Ah	200Ah	300Ah
Nominal Energy	2.56Kwh	5.12Kwh	7.68Kwh
Charge Current	50A	60A	60A
Discharge Current	100A	120A	120A
Charge Voltage	29.2V	29.2V	29.2V
Discharge Voltage	22V	22V	22V
Product Dimension	L47*W40*H18 mm	L47*W49*H25 mm	L47*W52*H32 mm
Weight	25Kg	39Kg	62Kg
Warranty	2 years		

51.2v100Ah = 5.12Kwh
 51.2v200Ah = 10.24Kwh
 51.2v300Ah = 15.36Kwh

LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY

Model: LFP-51.2V100Ah, 200Ah, 300Ah



51.2V100AH = 5.12KWH
 51.2V200AH = 10.24KWH
 51.2V300AH = 15.36KWH

The 51.2V LiFePO4 battery is a specialized lithium battery for medium to large-scale energy storage systems, constructed from 16 LiFePO4 cells (3.2V/cell) connected in series, creating a nominal voltage of 51.2V

CE MSDS UN38.3

- Safe, environmentally friendly, and non-polluting
- Long life 6000 cycles
- Fast charging and low self-discharge
- 70% lighter than lead-acid battery
- Built in BMS battery protection & Smarrrter

lithium iron phosphate (LiFePo4) battery 12.8v detailed structure



- | | |
|------------------------------|---|
| 1. Bat - | 10. DRY Port |
| 2.start power button | 11. SOC Indicator |
| 3. Bat + | 12. ADS |
| 4. Air circuit breaker | 13. Abnormal operating status indicator |
| 5. RS485B Communication Port | 14. Abnormal operating status indicator |
| 6. RS485A Communication Port | 15. Normal operating status indicator |
| 7. RS232 Communication Port | 16. ON/OFF Indicator |
| 8. CAN Communication Port | 17. Cell |
| 9. RS485A Communication Port | 18. battery cell bridge |

Technical Data

Product Name	LiFePo4 Pack		
Nominal Voltage	51.2V		
Nominal Capacity	100Ah	200Ah	300Ah
Nominal Energy	5.12Kwh	10.24Kwh	15.36Kwh
Charge Current	50A	50A	75A
Discharge Current	100A	100A	150A
Charge Voltage	58.4V		
Discharge Voltage	44V		
Product Dimension	L47*W40*H205 mm	L48*W60*H23 mm	L48*W80*H26 mm
Weight	44Kg	75Kg	115Kg
Warranty	5 years		

LITHIUM IRON PHOSPHATE (LiFePO4) BATTERY

Model: LFP-51.2V100Ah, 200Ah, 300Ah



51.2V100AH = 5.12KWH

51.2V200AH = 10.24KWH

51.2V300AH = 15.36KWH

The 51.2V LiFePO4 battery is a specialized lithium battery for medium to large-scale energy storage systems, constructed from 16 LiFePO4 cells (3.2V/cell) connected in series, creating a nominal voltage of 51.2V

CE MSDS UN38.3

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- Built in BMS battery protection & Smartrter

lithium iron phosphate (LiFePo4) battery 12.8v detailed structure



- | | |
|------------------------------|---|
| 1. Bat - | 10. DRY Port |
| 2.start power button | 11. SOC Indicator |
| 3. Bat + | 12. ADS |
| 4. Air circuit breaker | 13. Abnormal operating status indicator |
| 5. RS485B Communication Port | 14. Abnormal operating status indicator |
| 6. RS485A Communication Port | 15. Normal operating status indicator |
| 7. RS232 Communication Port | 16. ON/OFF Indicator |
| 8. | 17. Cell |
| 9. RS485A Communication Port | 18. battery cell bridge |

external interface information



Nominal Voltage	51.2v 100Ah	51.2v 200Ah	51.2v 300Ah
Nominal Voltage	51.2V		
Nominal Capacity	100Ah	200Ah	300Ah
Nominal Energy	5.12Kwh	10.24Kwh	15.36Kwh
Combination	16S	16S	16S
Life Cycles	>= 6000(25°C+2°C, 80% DOD, 70% EOL)		
Recommended Charge Voltage	57.6V		
Recommended Charge Current	40A	40A	60A
Maximum charging voltage	58.4V		
Maximum charging Current	50A	50A	100A
End of Discharge Voltage	44V		
Recommended Discharge Current	50A	50A	75A
Maximum Discharge Current	100A	100A	150A
Temperature Charge	0~55°C		
Temperature Discharge	-20~60°C		
Ingress protection	IP21	IP21	IP21
Mechanical			
Machine Dimension [W*H*D(mm)]	860*460*215mm	860*460*215mm	860*480*265mm
Weight	44kg	75kg	115kg
Warranty	5 years		



LITHIUM IRON PHOSPHATE (LiFePO₄) BATTERY

Model: LFP-51.2V200Ah - 600Ah

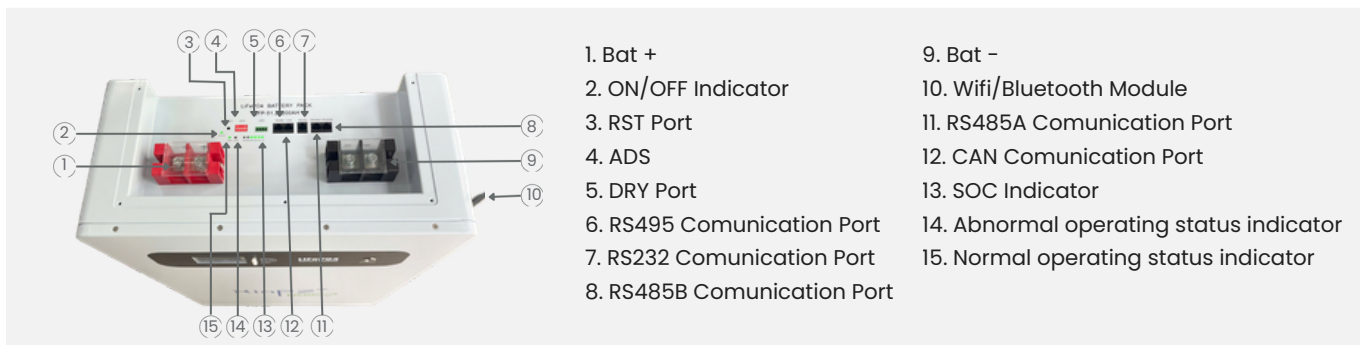
51.2V200AH = 10.24KWH	51.2V350AH = 17.92KWH
51.2V300AH = 15.36KWH	51.2V400AH = 20.48KWH
51.2V314AH = 16.08KWH	51.2V600AH = 30.72KWH

The 51.2V LiFePO₄ battery is a specialized lithium battery for medium to large-scale energy storage systems, constructed from 16 LiFePO₄ cells (3.2V/cell) connected in series, creating a nominal voltage of 51.2V

CE MSDS UN38.3

- Safe, environmentally friendly, and non-polluting
- Long life 6000 cycles
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- Built in BMS battery protection & Smarrrter

lithium iron phosphate (LiFePo₄) battery 12.8v detailed structure



external interface information



Nominal Voltage	51.2v 200Ah	51.2v 300Ah	51.2v 314Ah	51.2v 350Ah	51.2v 400Ah	51.2v 600Ah
Nominal Voltage	51.2V					
Nominal Capacity	200Ah	300Ah	314Ah	350Ah	400Ah	600Ah
Nominal Energy	10.24Kwh	15.36Kwh	16.08Kwh	17.92Kwh	20.48Kwh	30.72Kwh
Combination	16S	16S	16S	16S	16S	16S
Life Cycles	>= 6000(25°C+2°C, 80% DOD, 70% EOL)					
Recommended Charge Voltage	57.6V					
Recommended Charge Current	40A	60A	60A	70A	75A	100A
Maximum charging voltage	58.4V					
Maximum charging Current	50A	100A	100A	100A	100A	150A
End of Discharge Voltage	44V					
Recommended Discharge Current	50A	75A	75A	75A	75A	100A
Maximum Discharge Current	100A	100A	100A	100A	100A	150A
Temperature Charge	0~55°C					
Temperature Discharge	-20~60°C					
Ingress protection	IP21					
Mechanical						
Machine Dimension [W*H*D(mm)]	860*460* 215mm	860*480* 265mm	860*480* 265mm	865*480* 270mm	790*600* 280mm	950*600* 280mm
Weight	75kg	115kg	117kg	125Kg	135kg	250kg
Warranty	5 years					

