TOPAK®

Leading Lithium-ion Battery Manufacturer

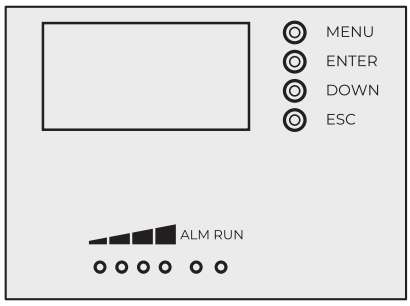
LITHIUM-ION BATTERY POWER SYSTEM

51.2V100Ah Wall mounted

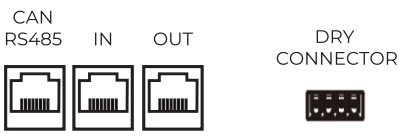
This series is a complete solution for the lithium iron phosphate battery system for the home energy storage field. The system is safe and reliable. It can be used in home storage, industrial and commercial energy storage and other fields.

CHARACTERISTIC

- Safe, reliable and long life
- Dynamic identification, automatic paralleling, no need for DIP switches
- Support Bluetooth, mobile APP switching PCS protocol
- CAN/RS485/LAN interface
- Visualization, LCD screen display
- Flexible expansion, the number of parallel machines supports up to 15
- Supports mixed parallel of old and new batteries
- Remote intelligent upgrade maintenance



Panel silkscreen preview



Battery communication interface preview

SYSTEM SPECIFICATIONS

Voltage(V)	43.2~58.4V
Cell	3.2V100Ah
Module	16S1P
Number of parallel machines	15PCS
Nominal voltage(V)	51.2
Nominal Capacity(Ah)	100
Nominal Energy(kWh)	5.12
Maximum power output(kW)	5.12
Maximum discharge current(A)	100
Maximum charging current(A)	100
Cut-off voltage(V)	40
Maximum charge voltage(V)	58.4
Cycles(25℃)	≥6000
Charging temperature(℃)	0~55
Discharge temperature(℃)	-20~55
Operating humidity	<95%R.H
Communication mode	CAN/RS485
Dry contact	Customized by demand
Optional modules	Bluetooth, 4G module
Product size(W*D*H,mm)	580*415*150
Packing size(W*D*H,mm)	652*487*265
Protection class	IP21
System weight(kg)	Approx 50
Certif cation	IEC62619/UN38.3/MSDS

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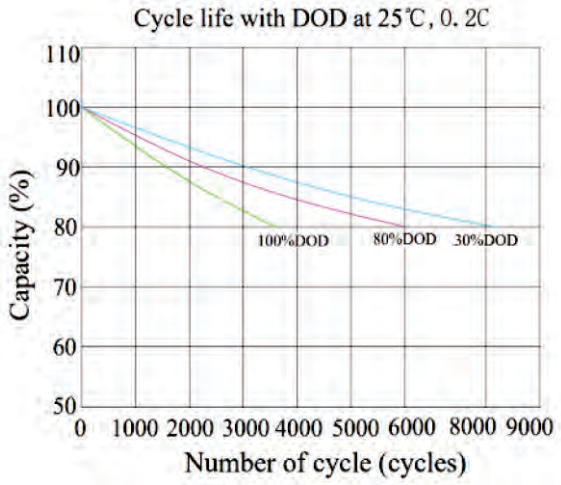
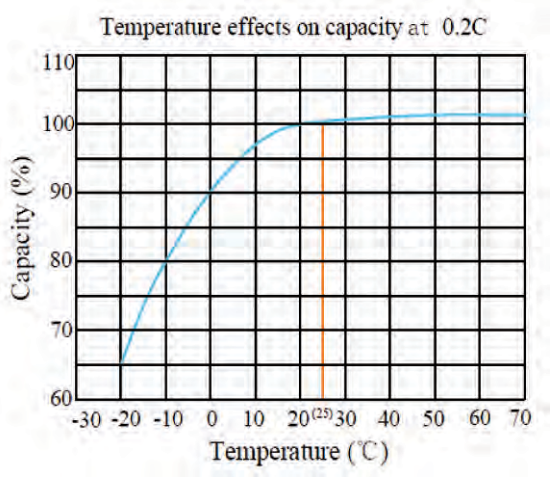
LITHIUM-ION BATTERY POWER SYSTEM

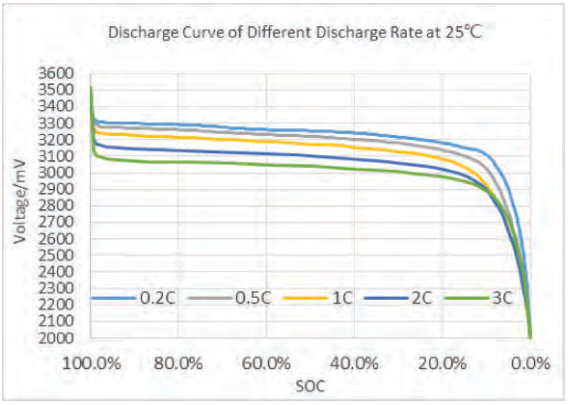
51.2V100Ah Wall mounted

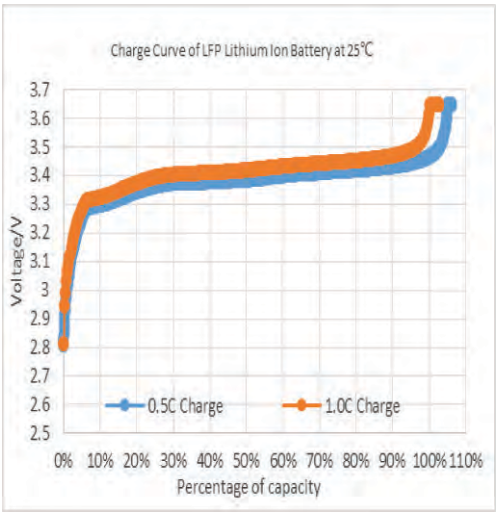
PRODUCT RENDERINGS





CELL CHARACTERISTIC CURVE





With process improvements and product upgrades, the product parameters are subject to change without prior notice

Version： 202307

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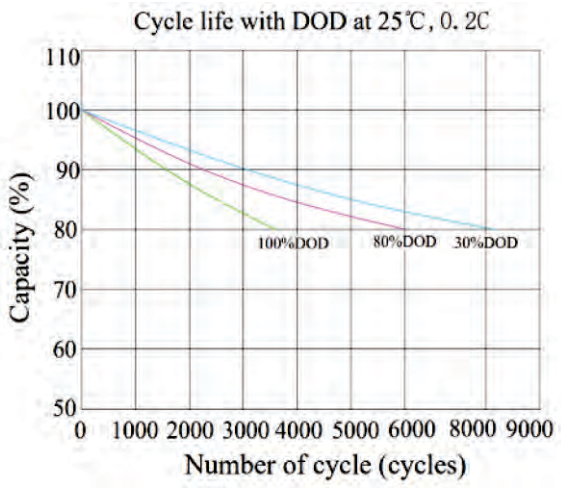
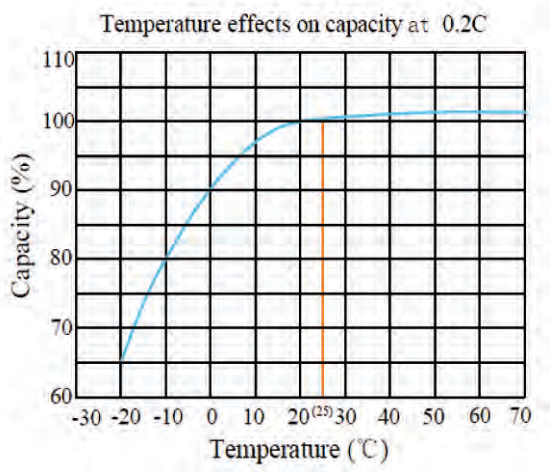
LITHIUM-ION BATTERY POWER SYSTEM

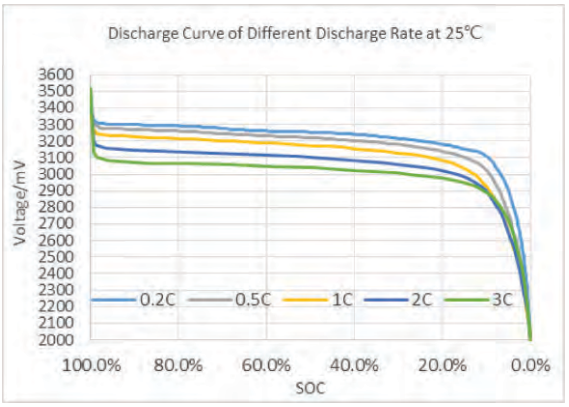
51.2V100Ah Wall mounted

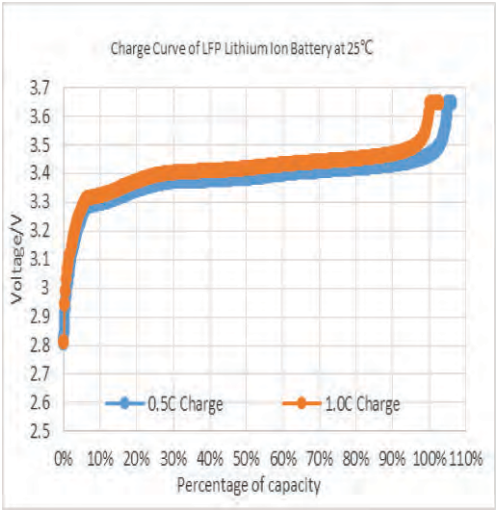
PRODUCT RENDERINGS





CELL CHARACTERISTIC CURVE





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TOPAK®

Leading Lithium-ion Battery Manufacturer

LITHIUM-ION BATTERY POWER SYSTEM

51.2V100Ah Wall mounted

This series is a complete solution for the lithium iron phosphate battery system for the home energy storage field. The system is safe and reliable. It can be used in home storage, industrial and commercial energy storage and other fields.

CHARACTERISTIC

- Safe, reliable and long life
- Dynamic identification, automatic paralleling, no need for DIP switches
- Support Wi-Fi, mobile APP switching PCS protocol
- CAN/RS485/LAN interface
- Visualization, LED Color screen display
- Flexible expansion, the number of parallel machines supports up to 15
- Supports mixed parallel of old and new batteries
- Remote intelligent upgrade maintenance

SYSTEM SPECIFICATIONS

Voltage(V)	43.2~58.4V
Cell	3.2V100Ah
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Maximum power output(kW)	5.12
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Maximum charging current(A)	100
Cut-off voltage(V)	40
Maximum charge voltage(V)	58.4
Cycles(25℃)	≥6000
Charging temperature(℃)	0~55
Discharge temperature(℃)	-20~55
Operating humidity	<95%R.H
Communication mode	CAN/RS485
Dry contact	Customized by demand
Optional modules	Wi-Fi, 4G module
Product size(W*D*H,mm)	540*450*178
Packing size(W*D*H,mm)	652*487*265
Protection class	IP31
System weight(kg)	Approx 44±1
Certif cation	IEC62619/UN38.3/MSDS

TOPAK®

Leading Lithium-ion Battery Manufacturer

LITHIUM-ION BATTERY POWER SYSTEM

51.2V100Ah rack mounted

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- Safe, reliable and long life
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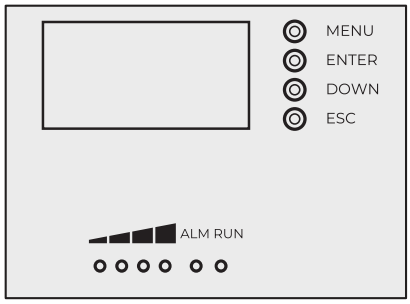
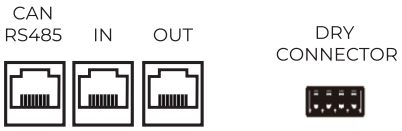


Panel silkscreen preview



Battery communication interface preview

SYSTEM SPECIFICATIONS

Voltage(V)	43.2~58.4V
Cell	3.2V100Ah
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Cycles(25℃)	≥6000
Charging temperature(℃)	0~55
Discharge temperature(℃)	-20~55
Operating humidity	<95%R.H
Communication mode	CAN/RS485
Dry contact	Customized by demand
Optional modules	Bluetooth, 4G module
Product size(W*D*H,mm)	440*442*177
Packing size(W*D*H,mm)	535*527*290
Protection class	IP21
System weight(kg)	Approx 48
Certif cation	IEC62619/UN38.3/MSDS

TOPAK®

Leading Lithium-ion Battery Manufacturer

LFP Lithium $LiFePO_4$ Battery Pack

TSLFP-12.8V200AH

This series is a complete solution for the lithium iron phosphate battery system for the home energy storage field. The system is safe and reliable. It can be used in home storage, industrial and commercial energy storage and other fields.

Benefits Of Lithium-ion

- High capacity, low weight, Increased energy
- in given space
- Fast charging
- High operational reliability
- Safest lithium technology
- Excellent long life times
- Built-in intelligent BMS to protect the battery pack at anytime and prolong its service life
- Maintenance free

Certifications And Standards

A. Products

UL1642(cells), FCC, UN38.3, IEC62619

B. MS certifications

ISO9001, ISO14001, OHSAS 18001

CE UN38.3

Parameters:

Nominal Characteristic	
Battery Model	TSLFP- 12.8V200AH
Nominal Voltage	12.8 V
Typical Capacity	200Ah
Typical Energy	2560Wh
Cells Type / Chemistry	Prismatic-$LiFePO_4$
Gravimetic Energy Density	113 Wh/Kg
Dimensions (W*D*H)	522*240*218 mm
Reference Weight	22.4Kg
Case Material	ABS
Cycle Life	>3000 Cycles (100% DoD)

Electric Characristics	
Charge Method	CC/CV
Charge Voltage Range	13.6~13.8 V
Max .continuous Discharge Current	100 A
Max .continuous Charge Current	100 A
Discharge Pulse Current (10 sec)	200 A
End of Discharge Voltage	10.8 V

Charge Temperature	
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	-20°C~60°C
Protection Class	IP65

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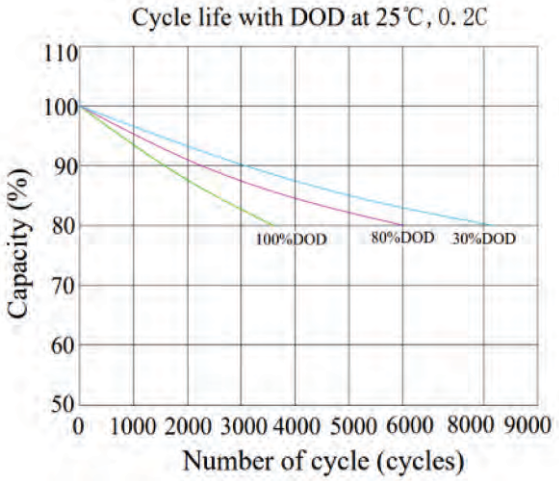
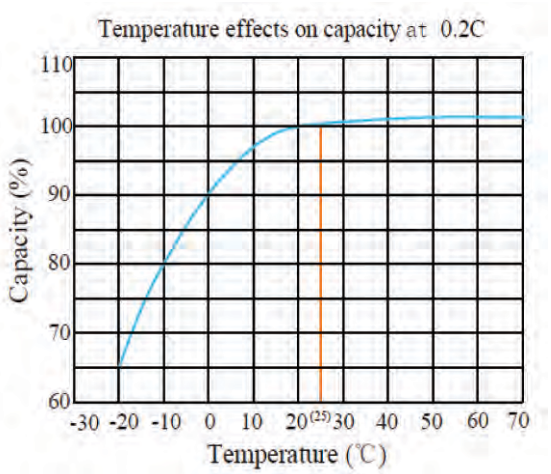
LITHIUM-ION BATTERY POWER SYSTEM

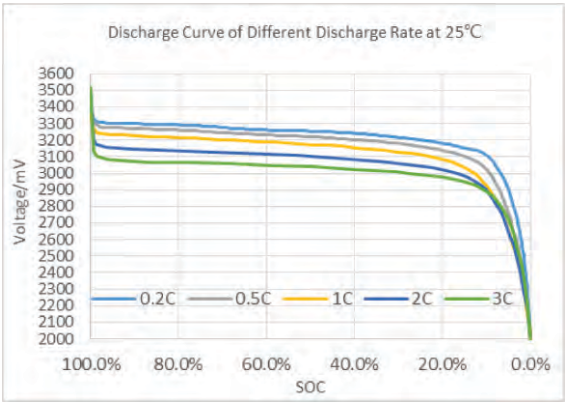
51.2V100Ah rack mounted

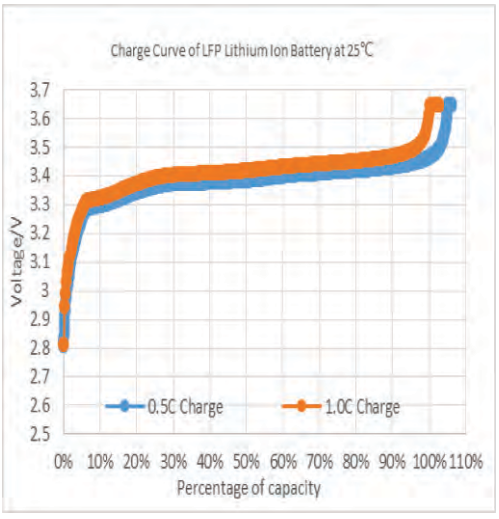
PRODUCT RENDERINGS





CELL CHARACTERISTIC CURVE





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TSLFP-12.8V100AH

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A. Products

UL1642(cells), FCC, UN38.3, IEC62619

B. MS certifications

ISO9001, ISO14001, OHSAS 18001

CE UN38.3

Parameters:

Nominal Characteristic	
Battery Model	TSLFP- 12.8V100AH
Nominal Voltage	12.8 V
Typical Capacity	100Ah
Typical Energy	1280Wh
Cells Type / Chemistry	Prismatic-$LiFePO_4$
Gravimetic Energy Density	113 Wh/Kg
Dimensions (W*D*H)	255*168*215 mm
Reference Weight	11.3Kg
Case Material	ABS
Cycle Life	>3000 Cycles (100% DoD)

Electric Characristics	
Charge Method	CC/CV
Charge Voltage Range	13.6~13.8 V
Max .continuous Discharge Current	100 A
Max .continuous Charge Current	100 A
Discharge Pulse Current (10 sec)	200 A
End of Discharge Voltage	10.8 V

Charge Temperature	
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	-20°C~60°C
Protection Class	IP65

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