



Cylindrical lithium ion battery battery

Product introduction

Using the first domestic brand Tianjin Lishen battery cell, and cell dimension is 18mm , length is 65mm,Cylindrical shape battery cell.

Product feature

- High voltage plateau
- No memory effect
- Long cycle life
- High power density
- Small volume, easy to assemble
- High safety performance, Not easy explosion

Application area

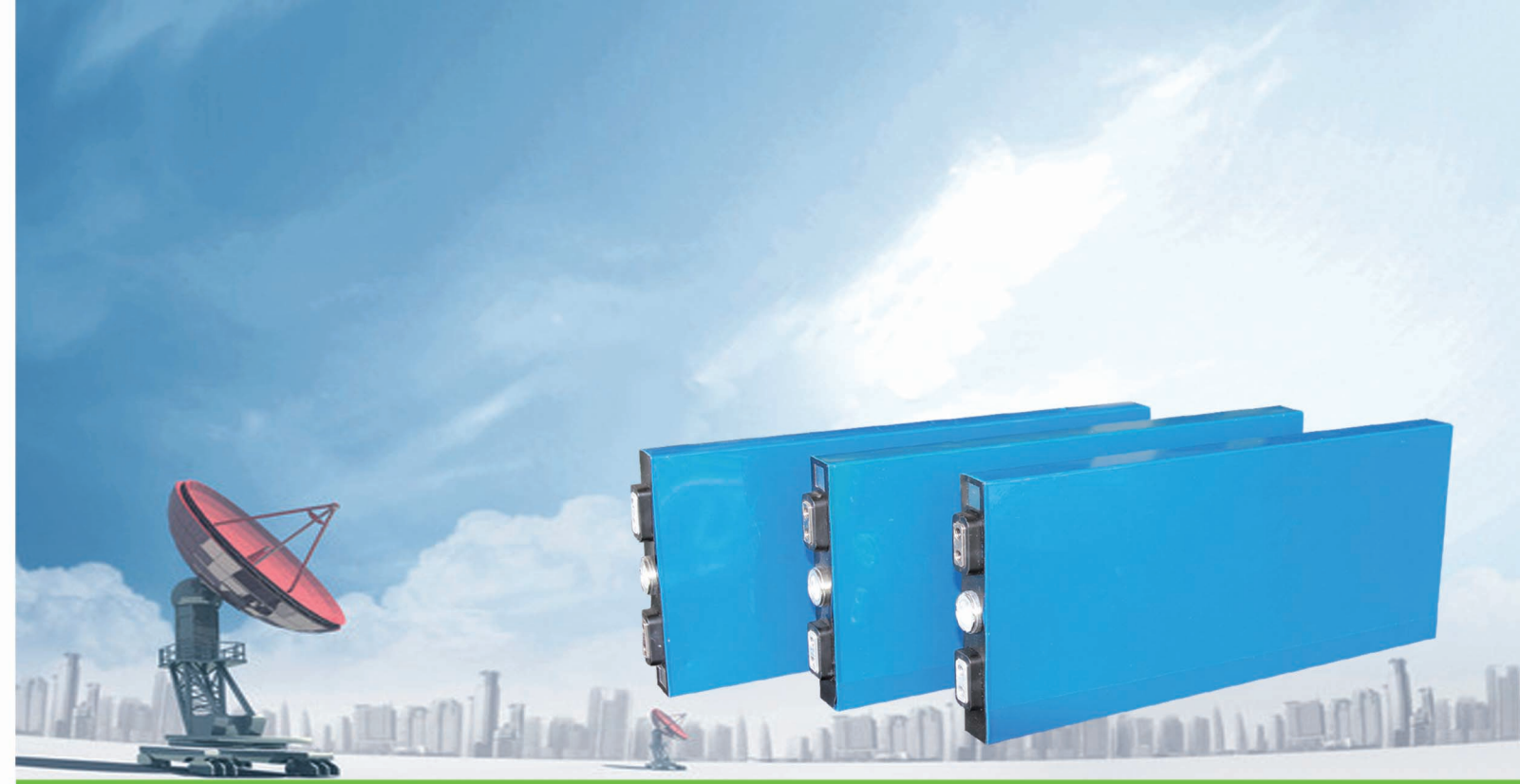
- Solar street lamp, portable power source, laptop battery, electric tool, electric motorcycle
- UPS, EPS, power of computer room.

Technical parameters

Voltage:3.7V Capacity:800~3000mAh Capacity: 800~3000mAh
 Charge voltage:4.2v
 Minimum cut-off discharge voltage: 2.75v
 Using temperature range: -20°C-45°C
 Storage temperature: 0°C--25°C
 100%DOD,Cycle time reach 500 times

Executive standard

- GB/T 22473-2008 ,
- GB/T 19638.2-2005 ,
- YD/T2344.1-2011 ,



Prismatic lithium battery

Product introduction

Adopt BYD lithium iron phosphate battery, excellent high temperature stability performance, long cycle life. Be equipped with High-precision acquisition control unit. Different voltage and capacity battery pack can be produced according to clients' requirements. Oliter company will try its best to

Product feature

- Nominal voltage 3.2V
- No memory effect Long cycle life
- High power density
- Small volume, easy to assemble
- High precision relief valve, high safety performance

Application area

- Solar street lamp, portable power bank, electric motorcycle ;
- Communication base station, Transformer substation Large-scale UPS Eps Power of computer room

Technical parameters

Voltage:3.2V Capacity:2~200Ah
 Charge voltage:3.65v Minimum cut-off discharge voltage: 2.5v
 Using temperature range: -10°C-45°C
 Storage temperature: 0°C-25°C

Executive standard

- GB/T 22473-2008 ,
- GB/T 19638.2-2005 ,
- YD/T2344.1-2011 ,



Lithium battery Control Integration

Clients could customize and choose solar panel with the size from 1 w to Max

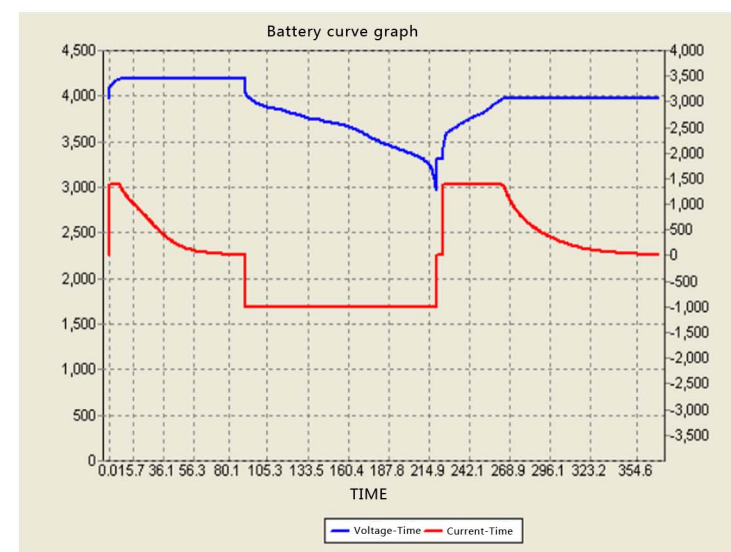
Product Features :

- 1.Light charge, improved charging efficiency, equalizing charge a single set of batteries.
- 2.Intelligent operation, test charging and discharging proportion, make sure lighting on rainy days
- 3.Intelligent matching light source , increase load efficiency.
- 4.Read the working status and read-in parameters in real time
- 5.Automatically activate when overcharge and over discharge
- 6.Low temperature -20°C to 60°C
- 7.Infrared or blue tooth control

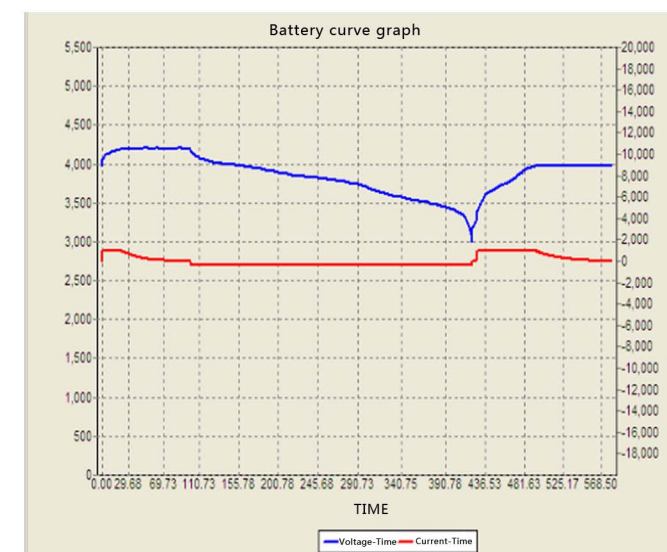
Product Parameter :

- 1.System voltage: three bunches of lithium battery 11.1V
- 2.Solar energy input: 0~25V (10~20A)
- 3.Load output (Increasing Voltage) :18~65V (6~20 bunches)
- 4.Overcharge voltage: 12.6V
- 5.Over discharge voltage: 9V
- 6.Match the light source : 10W、15W、20W、25W、30W

0.5C charge 0.2C Discharge



Charging and discharging Curve



Solar Street Series Specification(NCM)

Product Name	battery Cell Material	Load	Load Performance (recommendation)	Match Solar Panel	Match Lithium battery	Dimension(mm)	Time(h)
OLTL1212 (12V12Ah)	三元 (NCM)	10	10 pcs in series 333mA	18-20V30Wp	144Wh	L105*W141*h98	10W6h
OLTL1220 (12V20Ah)	三元 (NCM)	15	10 pcs in series 2 pcs in parallel 500mA	18-20V45Wp	240Wh	L165*W141*h98	15W6h、10W8h
OLTL1224 (12V24Ah)	三元 (NCM)	20	10 pcs in series 2 pcs in parallel 600mA	18-20V60Wp	288Wh	L165*W141*h98	20W6h、15W8h
OLTL1230 (12V30Ah)	三元 (NCM)	25	10 pcs in series 3 pcs in parallel 833mA	18-20V70Wp	360Wh	L205*W141*h98	25W6h、20W8h
OLTL1240 (12V40Ah)	三元 (NCM)	30	10 pcs in series 3 pcs in parallel 999mA	18-20V80Wp	480Wh	L245*W141*h98	30W6h、25W8h
OLTL1250 (12V50Ah)	三元 (NCM)	40	10 pcs in series 4 pcs in parallel 1333mA	18-20V100Wp	600Wh	L345*W141*h98	40W6h、30W8h
OLTL1260 (12V60Ah)	三元 (NCM)	50	10 pcs in series 5 pcs in parallel 1666mA	18-20V130Wp	720Wh	L345*W141*h98	50W6h、40W8h
OLTL12100 (12V100Ah)	三元 (NCM)	50	10 pcs in series 5 pcs in parallel 1666mA	18-20V130Wp	1200Wh	L545*W141*h98	50W8h
OLTL12120 (12V120Ah)	三元 (NCM)	50	10 pcs in series 5 pcs in parallel 1666mA	18-20V130Wp	1440Wh	L645*W141*h98	50W8h
OLTL2440 (24V40Ah)	三元 (NCM)	60	20 pcs in series 3 pcs in parallel 1000mA	36-40V150Wp	960Wh	L605*W141*h98	60W6h、50W8h
OLTL2460 (24V60Ah)	三元 (NCM)	80	20 pcs in series 4 pcs in parallel 1333mA	36-40V200Wp	1440Wh	L745*W141*h98	80W6h、60W8h
OLTL2480 (24V80Ah)	三元 (NCM)	100	20 pcs in series 5 pcs in parallel 1666mA	36-40V240Wp	1920Wh	L550*W280*h150	100W6h、80W8h
OLTL24100 (24V100Ah)	三元 (NCM)	100	20 pcs in series 5 pcs in parallel 1666mA	36-40V240Wp	2400Wh	L550*W280*h150	100W8h

Solar Street Series Specification(LFP)

Product Name	battery Cell Material	Load(W)	LoadPerformance (recommendation)	Match Solar Panel	Match Lithium battery	Dimension(mm)	Time(h)
OLTLFP1212 (12V12Ah)	磷酸铁锂 (LFP)	10	10 pcs in series 333mA	18-20V30Wp	144Wh	L205*W141*h98	10W6h
OLTLFP1220 (12V20Ah)	磷酸铁锂 (LFP)	15	10 pcs in series 2 pcs in parallel 500mA	18-20V45Wp	240Wh	L285*W141*h98	15W6h、10W8h
OLTLFP1224 (12V24Ah)	磷酸铁锂 (LFP)	20	10 pcs in series 2 pcs in parallel 600mA	18-20V60Wp	288Wh	L285*W141*h98	20W6h、15W8h
OLTLFP1230 (12V30Ah)	磷酸铁锂 (LFP)	25	10 pcs in series 3 pcs in parallel 833mA	18-20V70Wp	360Wh	L445*W141*h98	25W6h、20W8h
OLTLFP1240 (12V40Ah)	磷酸铁锂 (LFP)	30	10 pcs in series 3 pcs in parallel 999mA	18-20V80Wp	480Wh	L320*W160*h150	30W6h、25W8h
OLTLFP1250 (12V50Ah)	磷酸铁锂 (LFP)	40	10 pcs in series 4 pcs in parallel 1333mA	18-20V100Wp	600Wh	L320*W180*h150	40W6h、30W8h
OLTLFP1260 (12V60Ah)	磷酸铁锂 (LFP)	50	10 pcs in series 5 pcs in parallel 1666mA	18-20V130Wp	720Wh	L320*W200*h150	50W6h、40W8h
OLTLFP12100 (12V100Ah)	磷酸铁锂 (LFP)	50	10 pcs in series 5 pcs in parallel 1666mA	18-20V130Wp	1200Wh	L400*W320*h150	50W8h
OLTLFP12150 (12V150Ah)	磷酸铁锂 (LFP)	60	10 pcs in series 5 pcs in parallel 1666mA	18-20V150Wp	1800Wh	L440*W320*h150	60W8h
OLTLFP2440 (24V40Ah)	磷酸铁锂 (LFP)	60	20 pcs in series 3 pcs in parallel 1000mA	36-40V150Wp	960Wh	L320*W280*h150	60W6h、50W8h
OLTLFP2460 (24V60Ah)	磷酸铁锂 (LFP)	80	20 pcs in series 4 pcs in parallel 1333mA	36-40V200Wp	1440Wh	L360*W320*h150	80W6h、60W8h
OLTLFP2480 (24V80Ah)	磷酸铁锂 (LFP)	100	20 pcs in series 5 pcs in parallel 1666mA	36-40V240Wp	1920Wh	L560*W320*h150	100W6h、80W8h
OLTLFP24100 (24V100Ah)	磷酸铁锂 (LFP)	100	20 pcs in series 5 pcs in parallel 1666mA	36-40V240Wp	2400Wh	L600*W400*h150	100W8h



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Portable power generation system



Specification

户用系统型号 System Series	额定电压 (V) Rated Voltage	锂电池容量 (AH) Lithium battery Capacity	组件功率 (W) Solar Panel	逆变器功率 (W) Inverter (W)	系统输出电压 System Output Voltage
OLTLH20	12	6	20	/	DC5V、DC12V
OLTLH30	12	10	30	/	
OLTLH40	12	16	40	/	
OLTLH50	12	20	50	150W	DC5V、DC12V、AC220V
OLTLH70	12	30	70	150W	
OLTLH80	12	40	80	150W	
OLTLH90	12	50	90	300W	
OLTLH100	12	50	100	300W	
OLTLH120	12	60	120	300W	
OLTLH130	12	60	130	300W	
OLTLH150	12	80	150	300W	

System :

- .System voltage:12V working temperature -15°C~+60°C ; ;
- .Working life: 3-5 years;
- .Protection class: IP65;

Intelligence :

- .Having the function of overcharge over discharge over current and temperature protection ;
- .A perfect indicator light ;
- .Portable and easy to replace ;

Working mode :

- Can be equipped with solar battery panels ;
- Standard configuration: LED light、a suit of mobile phone charge head ;
- Warranty:3 years



沟通，不中断
Communcation without interruption

通信用锂电池
lithium battery used
in telecommunication



OLTLFP-48V

Specification

产品型号 Product model	标称电压 (V) Nominal voltage(V)	标称容量 (AH) Nominal capacity(AH)	外型尺寸 Dimension (mm)	重量 (KG) Weight (KG)	充电电流 (A) Charge current (A)	充电温度范围 (°C) Charge temperature range(°C)	放电温度范围 (°C) Discharge Temperature range(°C)	循环寿命 (次) Cycle Life (times)
OLTLFP-4810A	48	10	439*400*44	10	10	0~60	-10~60	2000
OLTLFP-4820A	48	20	439*400*88	18	20			
OLTLFP-4850A	48	50	439*400*132	32	50			
OLTLFP-48100A	48	100	两个4850并联 Two pcs 4850 in parallel	70	100			
OLTLFP-48200A	48	200	四个4850并联 Four pcs 4850 in parallel	140	200			

System :

- .System voltage:48V working temperature -10°C~+60°C;
- .Working life: 5-8 years;
- .Centralized control, automatic battery maintenance, meet the requirement of unattended operation

Intelligence :

- .Having the function of overcharge over discharge over current and temperature protection ;
- .A perfect indicator light , smart toggle ;
- .Portable and easy to replace ;

Working mode :

- .Instant start, and never break off



MW GRADE LITHIUM BATTERY STORAGE

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MW级储能模块

MW GRADE LITHIUM
BATTERY STORAGE Module

Specification

技术参数 Technical Parameters	能量型 Energy type			功率型 Power type		
模块放电功能 Module discharge function	250KW	500KW	1MW	500KW	1MW	2MW
额定储能容量 Rated storage capacity	500KWh	1MWh	2MWhh	250KWh	500KWh	1MWh
额定电网电压 Rated grid voltage	380V/220V (480V/220V)					
允许电网电压范围 Allowable grid voltage range	85%~110%(额定电压)Rated voltage					
额定电网频率 Rated grid frequency	50Hz (60Hz)					
允许电网频率范围 Allowable grid frequency range	48.5~50.5Hz/59~60.5Hz					
输出接线方式 Output connection mode	三相四线 Three-phase four-wire					
电压总谐波失真 Voltage total harmonic distortion	<3%					
电流总谐波失真 Current total harmonic distortion	<4.5%					
能量转换效率 Energy conversion efficiency	≥90% (系统总效率) (Total system efficiency)					
冷却方式 Cooling method	强制风冷 Forced air cooling					
工作温度 Working temperature	-20℃~60℃					
适宜储存温度 Suitable storage temperature	-10℃~45℃					
相对湿度范围 Relative humidity range	<90%(不结露) (No dew)					
安装方式 Installation method	户外安装 (20~40ft集装箱定制) (20~40ft Container customization)					
循环寿命 Cycle life	≥3000 Cycles (70%capacity)					

Application areas :

- .City emergency power supply , Smart power Grids、
- .Complementary application with Intermittent new energy
- .Once and second FM
- .Static and Dynamic reactive power control
- .System Hot spare



○ | 产·品·介·绍 |
Product introduction

Residential Energy lithium battery storage System

Specification

技术参数 Technical Parameters	能量型 Energy type			功率型 Power type		
模块放电功能 Module discharge function	250KW	500KW	1MW	500KW	1MW	2MW
额定储能容量 Rated storage capacity	500KWh	1MWh	2MWhh	250KWh	500KWh	1MWh
额定电网电压 Rated grid voltage	380V/220V (480V/220V)					
允许电网电压范围 Allowable grid voltage range	85%~110%(额定电压)Rated voltage					
额定电网频率 Rated grid frequency	50Hz (60Hz)					
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适宜储存温度 Suitable storage temperature	-10℃~45℃					
相对湿度范围 Relative humidity range	<90%(不结露) (No dew)					
安装方式 Installation method	户外安装 (20~40ft集装箱定制) (20~40ft Container customization)					
循环寿命 Cycle life	≥3000 Cycles (70%capacity)					