BEIJING GUOGUANG XINGDA TECHNOLOGY CO.,LTD
北京国光兴达科技有限公司
Whatsapp + 8613681229285 Website : www.ggxdtelecom.com
Email : marketing@ggxdpower.com

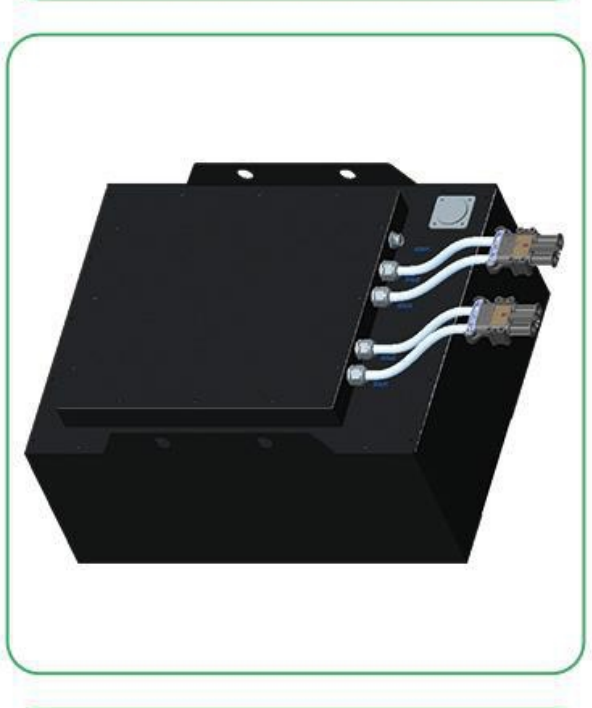
NEW ENERGY
新能源

锂电池
产品目录

lithium battery
Product catalog

产品目录
–product catalog

房车锂电池组 RV lithium battery pack 1
储能锂电池组 Energy storage lithium battery pack 2
水利工程风能储能锂电池组 Water conservancy project and Wind energy storage lithium battery pack 3
高尔夫球车锂电池组 Golf cart lithium battery pack 4
叉车专用锂电池组 Forklift special lithium battery pack 5
壁挂式锂电池组 Wall mounted lithium battery pack 6
基站式锂电池组 Base station lithium battery pack 7
太阳能路灯锂电池组 Solar street light lithium battery pack 8
户外锂电池组 Outdoor lithium battery pack 9
户外移动电源 Outdoor mobile power supply 10
电动车锂电池组 Electric vehicle lithium battery pack 11
智能通讯 Smart communication 12



RV LITHIUM BATTERY PACK
房车锂电池组

应用范围 APPLIED RANGE

- 野营 camping
- 房车 RVs
- 通讯基站 communication base stations
- 房屋备用电源 home backup powers

规格参数 Speenlcations	
型号 Model	LN12600
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$
电池容量 Battery capacity	12V600Ah
尺寸 Size	360*300*300mm
循环次数 Cycles	≥5000
充电电压 Charging voltage	14.6V
最大充电电流 Maximum charging current	0.5C
最大放电电流 Maximum discharge current	1–30C
工作温度 Operating temperature	—20℃~60℃
放电截止电压 Discharge cut-off voltage	10V
显示/Display	LCD显示电量、温度 LCD display power %, temperature

ENERGY STORAGE LITHIUM BATTERY PACK
储能锂电池组

应用范围 APPLIED RANGE

- 铅改锂 lead to lithium
- 驻车空调 parking air conditioners
- 基站储能 base stations energy storage
- 风力储能 wind energy storage
- 户外设备供电 powering outdoor equipments

规格参数 Specifications							
型号 Model	LN12150	LN12200	LN12260	LN12300	LN2460	LN24100	LN24150
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$						
电池容量 Battery capacity	12V150Ah	12V200Ah	12V260Ah	12V300Ah	24V60Ah	24V100Ah	24V150Ah
尺寸 Size	520*238*230mm						
循环次数 Cycles	≥5000						
充电电压 Charging voltage	14.6V				29.2V		
最大充电电流 Maximum charging current	0.5C						
最大放电电流 Maximum discharge current	1–30C						
工作温度 Operating temperature	—20℃~60℃						
放电截止电压 Discharge cut-off voltage	10V				20V		
显示/Display	LCD显示电量、温度 LCD display power %, temperature						

WATER CONSERVANCY PROJECT WIND ENERGY STORAGE LITHIUM BATTERY PACK
水利工程风能储能锂电池组

应用范围 APPLIED RANGE

- 太阳能监控 solar monitor
- 电动游艇 electric yachts
- 太阳能光伏 solar photovoltaic
- 水利工程风能 water conservancy project wind energy

规格参数 Speenlcations	
型号 Model	LN12200
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$
电池容量 Battery capacity	12V200Ah
尺寸 Size	350*250*250mm
循环次数 Cycles	≥5000
充电电压 Charging voltage	14.6V
最大充电电流 Maximum charging current	0.5C
最大放电电流 Maximum discharge current	1–30C
工作温度 Operating temperature	—20℃~60℃
放电截止电压 Discharge cut-off voltage	10V
显示/Display	LCD显示电量、温度 LCD display power %, temperature
规格/Specification	可按要求支持定制 Can be customized on request
蓝牙/Bluetooth	可选择 optional

GOLF CART LITHIUM BATTERY PACK
高尔夫球车锂电池组

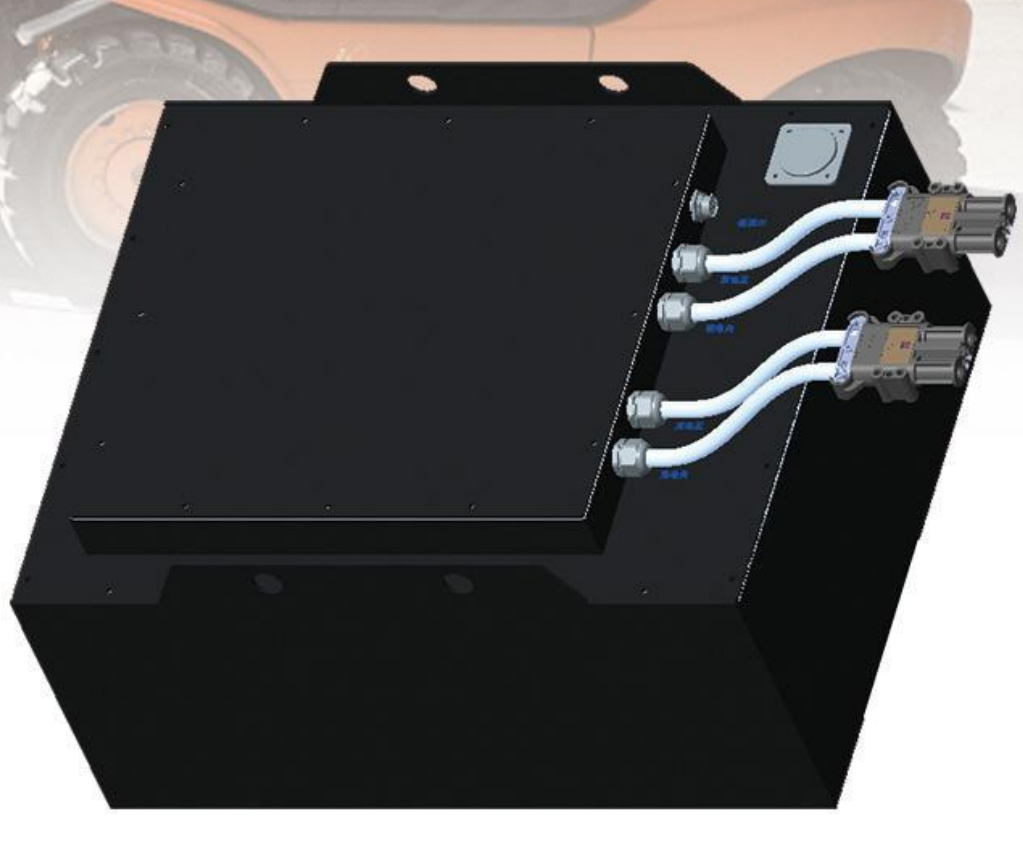
应用范围 APPLIED RANGE

- 高尔夫球车 golf carts
- 电动观光车 electric sightseeing cars
- 电动巡逻车 electric patrol cars
- 电动广告车 electric advertising vehicles

规格参数 Speenlcations							
型号 Model	LN2460	LN2476	LN4820	LN4825	LN4860	LN4863	LN4876
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$						
电池容量 Battery capacity	24V60Ah	24V76Ah	48V20Ah	48V25Ah	48V60Ah	48V63Ah	48V76Ah
尺寸 Size	400*235*200 mm	330*235*200 mm	350*160*180 mm	260*190*180 mm	260*440*235 mm	320*400*220 mm	350*320*240 mm
循环次数 Cycles	≥5000						
充电电压 Charging voltage	29.2V		58.4V				
最大充电电流 Maximum charging current	0.5C						
最大放电电流 Maximum discharge current	1–30C						
工作温度 Operating temperature	—20℃~60℃						
放电截止电压 Discharge cut-off voltage	20V		40V				
显示/Display	LCD显示电量、温度 LCD display power %, temperature						
规格/Specification	可按要求支持定制 Can be customized on request						
蓝牙/Bluetooth	可选择 optional						

FORKLIFT SPECIAL LITHIUM BATTERY PACK
叉车专用锂电池组

规格参数 Speenlcations		
型号 Model	LN48260	LN48390
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$	磷酸铁锂 $LiFePO_4$
电池容量 Battery capacity	51.2V260Ah	51.2V390Ah
尺寸 Size	850*460*360mm	850*600*360mm
循环次数 Cycles	≥5000	
充电电压 Charging voltage	58.4V	
最大充电电流 Maximum charging current	0.5C	
最大放电电流 Maximum discharge current	1–30C	
工作温度 Operating temperature	—20℃~60℃	
放电截止电压 Discharge cut-off voltage	40V	
显示/Display	LCD显示电量、温度 LCD display power %, temperature	
规格/Specification	可按要求支持定制 Can be customized on request	
蓝牙/Bluetooth	可选择 optional	



WALL MOUNTED LITHIUM BATTERY PACK
壁挂式锂电池组

应用范围 APPLIED RANGE

- UPS系统 UPS system
- 通讯基站 communication base stations
- 家庭储能 home energy storage
- 太阳能储能 solar energy storage

规格参数 Speenlcations		
型号 model	LN48100	LN48150
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$	
电池容量 Battery capacity	51.2V100Ah	51.2V150Ah
尺寸 Size	480*400*220mm	580*470*248mm
循环次数 Cycles		≥5000
充电电压 Charging voltage	58.4V	
最大充电电流 Maximum charging current	0.5C	
最大放电电流 Maximum discharge current	1–30C	
工作温度 Operating temperature	—20℃~60℃	
放电截止电压 Discharge cut-off voltage	40V	
显示/Display	LCD显示电量、温度 LCD display power %, temperature	
规格/Specification	可按要求支持定制 Can be customized on request	
通讯/ Communication	CAN/RS485/DRY	
证书及安全标准 Certificates and Safety Standards	ROHS、CE、MSDS、IEC62133、UN38.3、I0S9001	
警报/Alarm	电池运行/电池耗尽/系统故障 Running on battery/depleted battery/system failure	
优点/ Advantage	应用于离网和混合系统，紧凑设计，模块化扩展 For off-grid and hybrid systems, compact design, modular expansion	
监控与保护 Monitoring and Protection	每个模块都有BMS保护，在系统中内置断路器 Each module is protected by BMS, equiped with circuit breakers in the system.	

BASE STATION LITHIUM BATTERY PACK
基站式锂电池组

应用范围 APPLIED RANGE

- 电信备用电源 telecom backup powers (TBS)
- 并离网系统 on/off-grid system
- 独立储能 independent energy storage
- 备用电源 backup powers

规格参数 Speenlcations	
型号 Model	LN48100
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$
电池容量 Battery capacity	51.2V100Ah
循环次数 Cycles	≥5000
充电电压 Charging voltage	58.4V
最大充电电流 Maximum charging current	0.5C
最大放电电流 Maximum discharge current	1–30C
工作温度 Operating temperature	—20℃~60℃
放电截止电压 Discharge cut-off voltage	40V
显示/Display	LCD显示电量、温度 LCD display power %, temperature
规格/Specification	可按要求支持定制 Can be customized on request
通讯/ Communication	CAN/RS485/DRY
证书及安全标准 Certificates and Safety Standards	ROHS、CE、MSDS、IEC62133、UN38.3、I0S9001
警报/Alarm	电池运行/电池耗尽/系统故障 Running on battery/depleted battery/system failure
优点/Advantage	应用于离网和混合系统，紧凑设计，模块化扩展 For off-grid and hybrid systems, compact design, modular expansion
监控与保护 Monitoring and Protection	每个模块都有BMS保护，在系统中内置断路器 Each module is protected by BMS, equiped with circuit breakers in the system.

SOLAR STREET LIGHT LITHIUM BATTERY PACK
太阳能路灯锂电池组

应用范围 APPLIED RANGE

- 野外照明 outdoor lighting
- 家用照明 home lighting
- 应急照明 emergency lighting
- 各类电子工具 various electronic tools

规格参数 Speenlcations	
型号Model	LN1280
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$
电池容量 Battery capacity	12V80Ah
循环次数 Cycles	≥5000
充电电压 Charging voltage	14.6V
持续工作电流 Continuous working current	80A
最大充电电流 Maximum charging current	0.5C
最大放电电流 Maximum discharge current	1–30C
工作温度 Operating temperature	—20℃~60℃
放电截止电压 Discharge cut-off voltage	10V
规格/Specification	可按要求支持定制 Can be customized on request

OUTDOOR LITHIUM BATTERY PACK
户外锂电池组

应用范围 APPLIED RANGE

- 逆变器 inverters
- 应急灯 emergency lights
- 推进器 electric propellers
- 数码相机 digital cameras
- 太阳能监控 Solar monitor

规格参数 Speenlcations								
型号 Model	LN1240	LN1260	LN1280	LN12100	LN12120	LN12150	LN12180	LN12220
电芯材质 Cell material	三元聚合物 Ternary polymer							
额定电压 Rated voltage	12V							
电池容量 Battery capacity	22Ah	26Ah	30Ah	36Ah	45Ah	50Ah	72Ah	100Ah
电池尺寸 Battery size	230*230*80mm				265*240*105mm			
USB输出 USB output	5V2.1A							
峰值电流 peak current	200A							
持续工作电流 Continuous working current	80A							
循环次数 Cycles	≥2500							
充电截至电压 Charge cut-off voltage	12.6V							
放电截至电压 Discharge cut-off voltage	8.25V							
工作温度 Operating temperature	—20℃~60℃							

OUTDOOR POWER BANK
户外移动电源

应用范围 APPLIED RANGE

- 户外休闲 outdoor leisure
- 家庭备用 home backup
- 应急电源 emergency Power Supply
- 电动工具 electrical tools

规格参数 Speenlcations			
电池容量 Battery capacity	40AH 120000mAh	60AH 180000mAh	100AH 300000mAh
AC输出 AC output	220V 50HZ		
USB输出 USB output	USB 5V/21.A*2 QC3.0*2		
DC输出 DC output	12V 2*DC5.5*2.1 2*DC5.5*2.5		
DC大电流输出 DC high current	12V/12A 点烟器座 16航空插头 12V/12A cigarette lighter holder 16 aviation plug		
AC输出功率 AC output power	1000W		
充电器参数 Charger parameters	DC12.6V/7A		
太阳能充电参数 Solar chargin parameters	12V/100W		
AC输出波形 AC output waveform	纯正弦波 Pure Sine wave		

ELECTRIC VEHICLE LITHIUM BATTERY PACK
电动车锂电池组

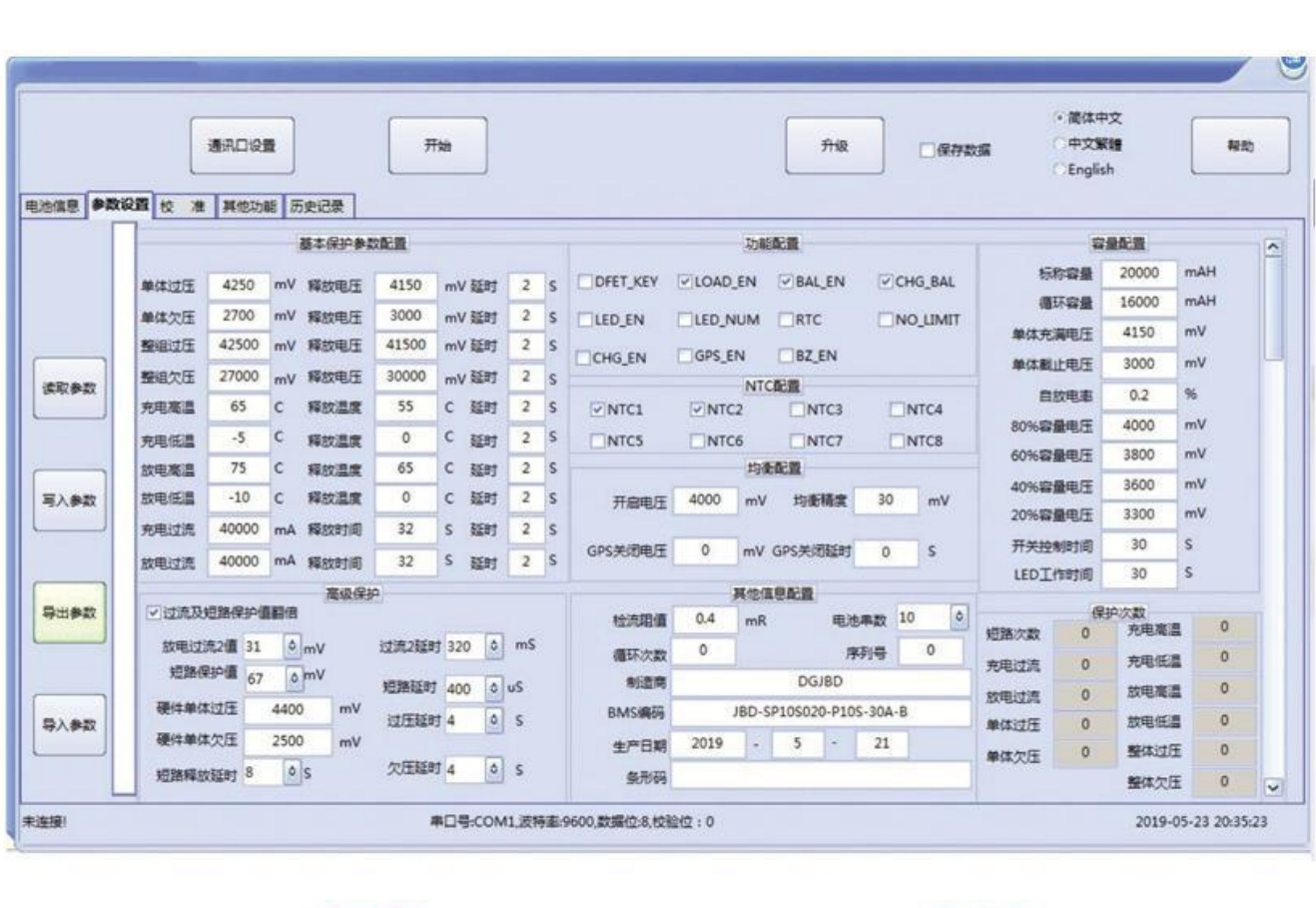
应用范围 APPLIED RANGE

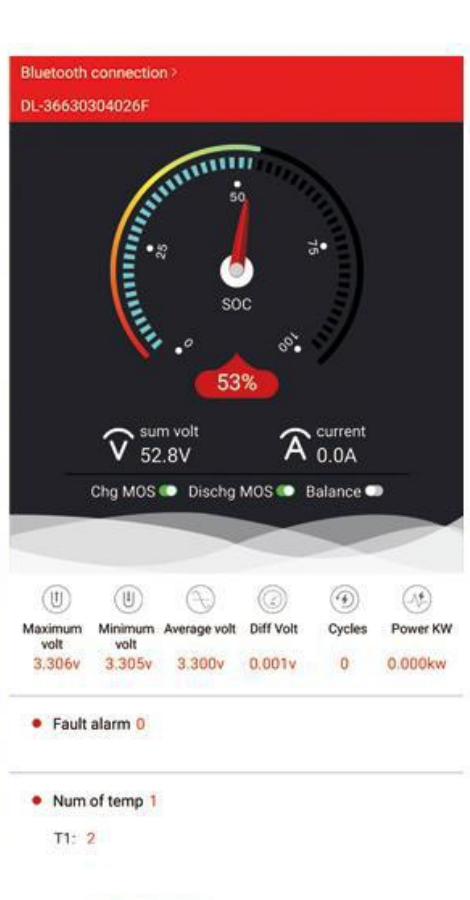
- 外卖车 takeaway cars
- 快递车 express cars
- 电动代步车 electric scooters
- 电动两轮车 electric two-wheeler cars

规格参数 Speenlcations			
电池容量 Battery capacity	48V25/30/40/55/60Ah	60V72AH25/30/40/55/60Ah	72V72AH25/30/40/55/60Ah
电芯材质 Cell material	磷酸铁锂 $LiFePO_4$		
尺寸 Size	以48/60/72V30AH为准： 220*180*260mm		
循环次数 Cycles	≥5000		
充电电压 Charging voltage	58.8V	71.4V	84V
最大充电电流 Maximum charging current	0.5C		
最大放电电流 Maximum discharge current	1–30C		
工作温度 Operating temperature	—20℃~60℃		
放电截止电压 Discharge cut-off voltage	40V	50V	60V
规格/Specification	可按要求支持定制 Can be customized on request		

五大通讯模式 支持协议对接
Five communication modes Support protocol docking

①BMS触摸显示屏
BMS touch display
②CAN
③电量显示屏
Power display
④蓝牙 Bluetooth
⑤GPS
⑥RS485



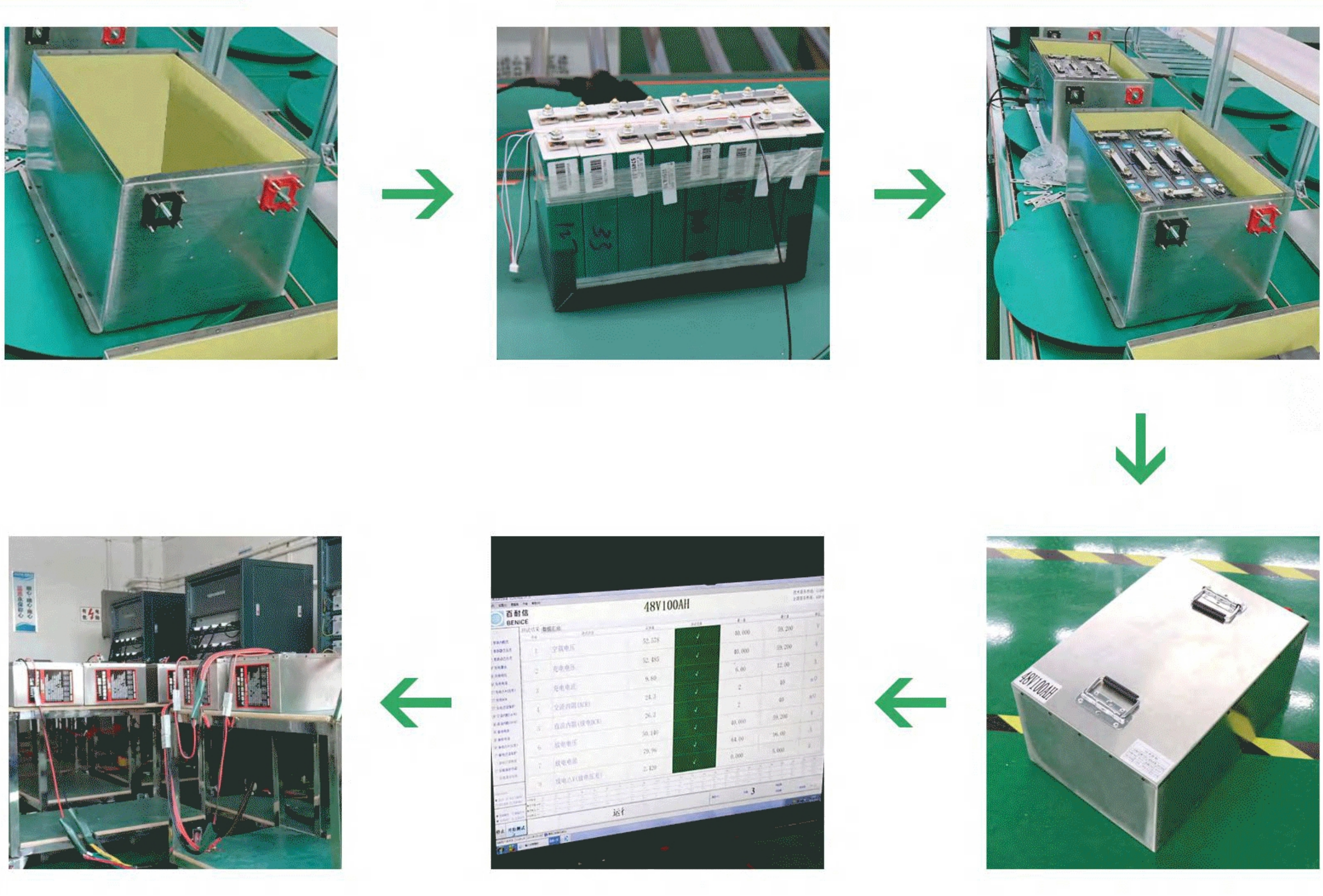


即视化查询管理
Visual query management

电池参数
Battery parameters

GPS定位
GPS positioning

生产流程 PRODUCTION PROCESS



公司案例 COMPANY CASE

★ 军工:无人机供电系统
Military industry: UAV power supply system

型号/model： ①100.8V120Ah ②71.4V120Ah
支持30C放电/Support discharge at 30C

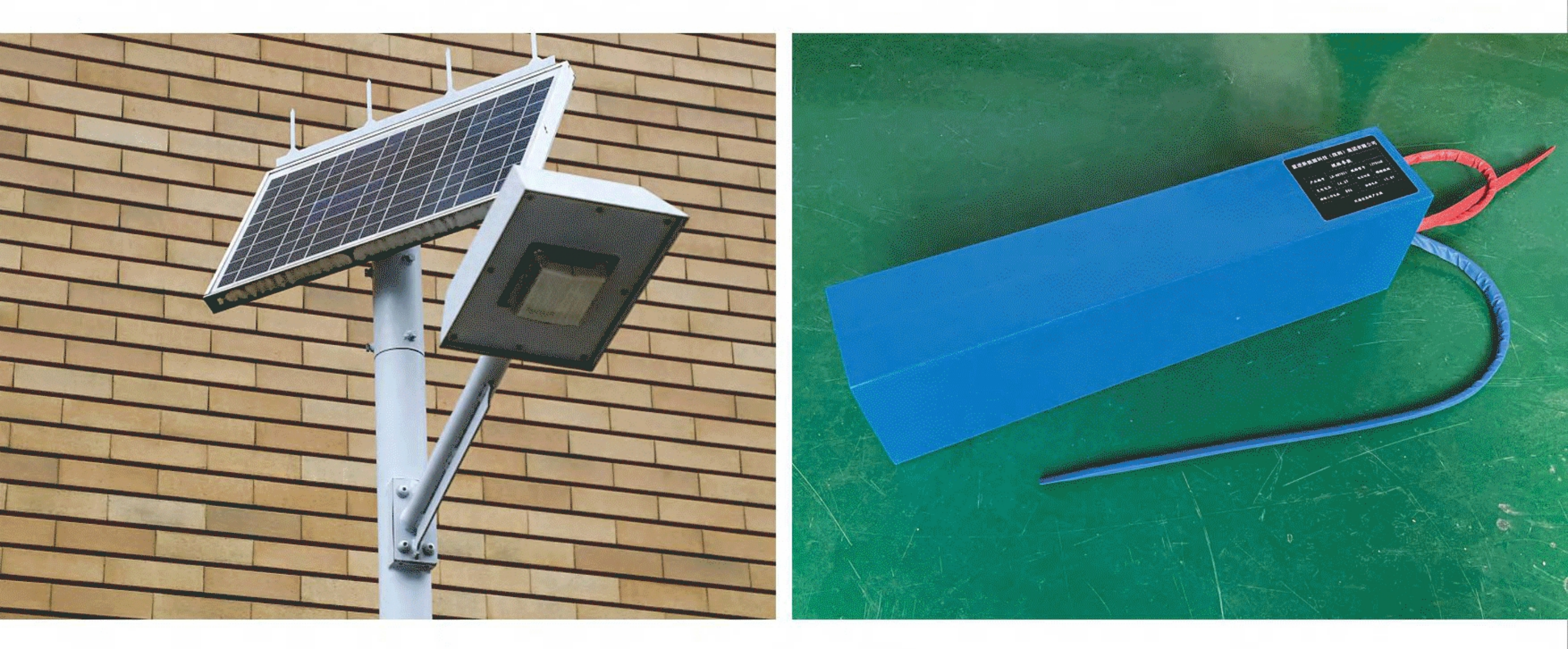
★ 军工:无人船供电系统
Military Industry: Unmanned Ship Power Supply System

型号/model： ①72V120Ah ②96V120Ah ③110V120Ah
支持30C放电/Support discharge at 30C

★ 军工：应急电源
Military Industry: Emergency Power Supply

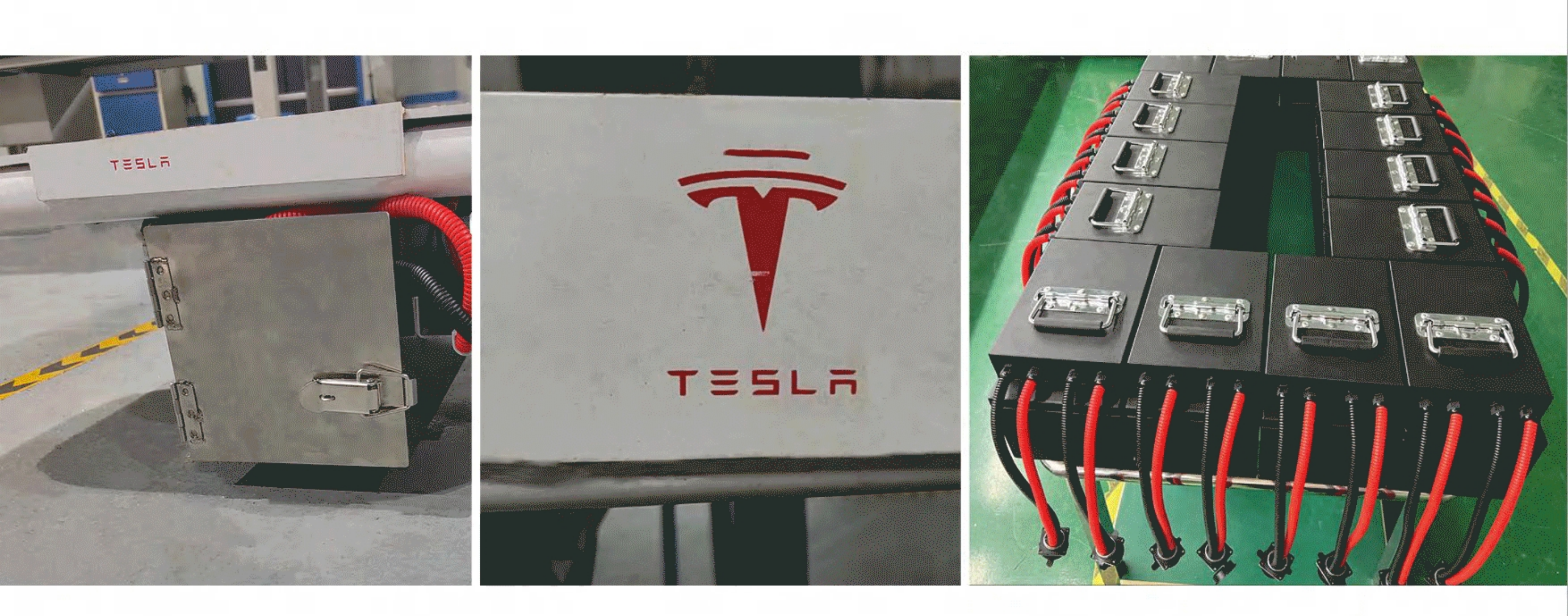
型号/model：12V40Ah

★ 政府扶持项目亮化工程:太阳能路灯供电系统
Government Support Project Lighting Project: Solar Street Light Power Supply System



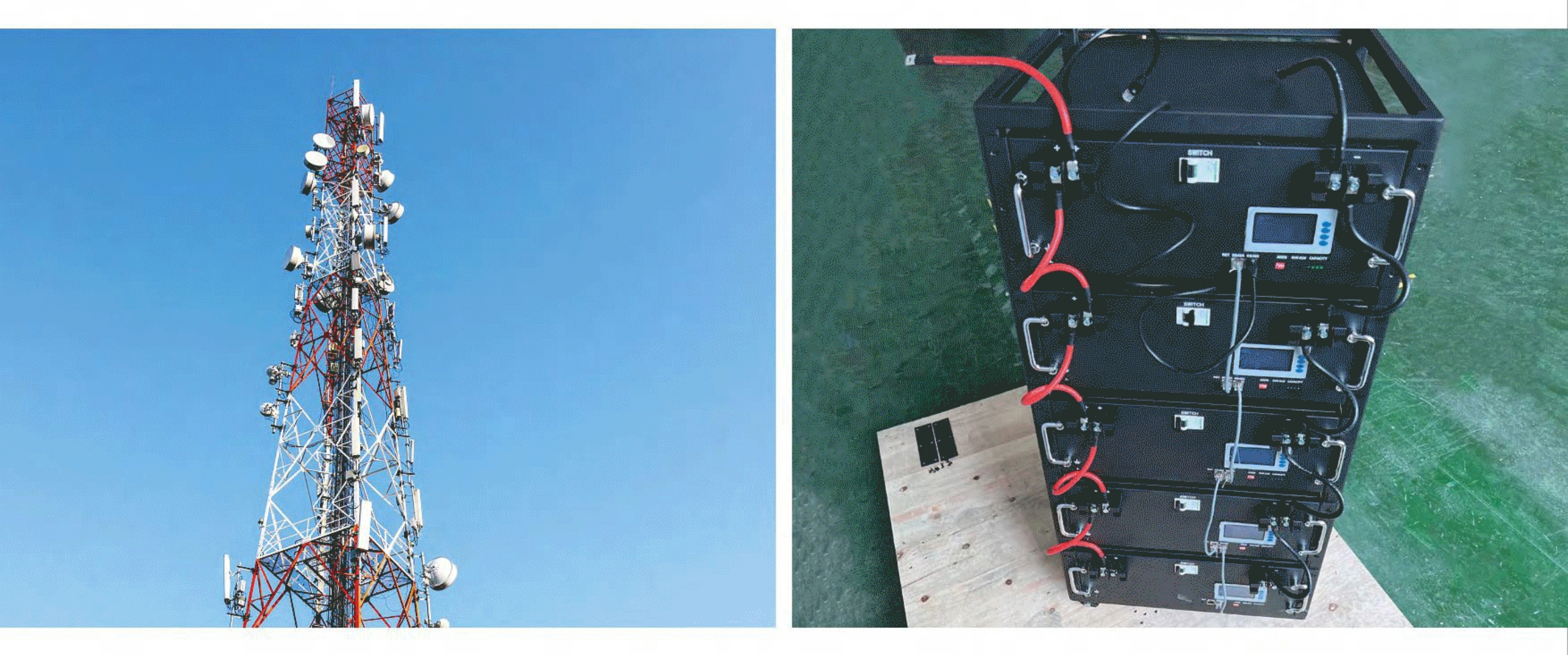
型号/model：12V80Ah（磷酸铁锂 $LiFePO_4$）
数量/quantity：690,000组(Group)
地区：贵州省 Region: Guizhou Province

★ 特斯拉 Tesla



型号/model：24V50Ah 数量/quantity：380，000组(Group)
地区：上海市 Region: Shanghai

★ 中国移动 China Mobile



型号/model：51.2V100Ah 数量/quantity：430,000组(Group)

★ 太阳能监控 Solar Monitor

型号/model：12V40A 数量/quantity：320,000组(Group)

★ 电力塔工程 Power Tower Engineering

型号/model： 12V300Ah 地区：湖南省 Region: Hunan Province

应用范围 SCOPE OF APPLICATION

新能源汽车
NEW ENERGY VEHICLES

工业仪器
INDUSTRIAL INSTRUMENTS

太阳能储能
SOLAR ENERGY STORAGE

太阳能路灯
SOLAR STREET LAMPS

家用储能
HOME ENERGY STORAGE

集装箱
CONTAINERS

基站
BASE STATIONS

高尔夫球车
GOLF CARTS

服务理念
SERVICE PHILOSOPHY

工厂自主研发,生产加工升级
我们是创新意识极强的生产型企业，
有高级工程师，专业研发部提供技术支持。

Factory independent research and development, production and processing upgrade

We are a production-oriented enterprise with a strong sense of innovation. There are senior engineers, professional R&D department provides technical support.

产品标准化,产品定制化升级
生产过程中的跟单,品质全检,出货时的包装、
运输方式,及售后的服务反馈,全程责任到人,服务全面到位。

Product standardization, product customization upgrade

Merchandising in the production process, full quality inspection, packaging at the time of shipment. Transportation mode, and after-sales service feedback, the whole process is responsible for the person, and the comprehensive service in place.

引领模式创新,推动服务升级
自身产品与时代接轨,与科技共前进,
才能让我们保持竞争力!才能让我们的客户始
终用到最新最先进的产品。

Leading model innovation and promoting service upgrades

Its own products are in line with the times, and advance with science and technology.Only then we can stay competitive! Only then can our customers use the latest and most advanced products all the time.

锂电池优势与结构
LITHIUM BATTERY ADVANTAGES AND STRUCTURE

锂电的优势
ADVANTAGES OF LITHIUM BATTERIES

锂电池电压平台高：单体电池的平均电压为3.7V或3.2V，便于组成电池电源组；具有高储存能量密度，约铅酸电池的6-7倍；相对铅酸电池而言锂电池重量轻，相同体积下重量约为铅酸的 1/5-1/6；锂电池使用寿命较长，使用寿命可达到6年以上；具备高功率承受力，其中电动汽车用的磷酸铁锂电池可以达到15-30C充放电的能力，便于高强度的启动加速；自放电率低，无记忆效应；锂电池高低温适应性强，可以在-20℃-60℃的环境下使用，经过工艺上的处理，可以在-45℃环境下使用；绿色环保，不论生产、使用和报废，都不含有、也不产生任何铅、汞、镉等有毒有害重金属元素和物质。

High voltage platform of lithium battery: the average voltage of single battery is 3.7V or 3.2V, which is convenient to form a battery power pack; It has high storage energy density, which is about 6-7 times that of lead-acid batteries; Compared with lead-acid batteries, lithium batteries are lighter in weight, and the weight is about 1/5-1/6 of lead-acid batteries under the same volume; Lithium batteries have a long service life and the service life can reach more than 6 years; It has high power tolerance, and the lithium iron phosphate battery for electric vehicles can reach 15-30C charge and discharge capacity, which is convenient for high-intensity startup acceleration; Low self-discharge rate, no memory effect; High and low temperature adaptability, can be used in the environment of -20℃-60℃, after technical treatment, can be used in the environment of -45℃; Green and environmental protection, regardless of production, use and scrap, does not contain or produce any toxic and harmful heavy metal elements and substances such as lead, mercury and cadmium.

锂电的内部结构
INTERNAL STRUCTURE OF LITHIUM BATTERY

电池内部采用螺旋绕制结构，用一种非常精细而渗透性很强的聚乙烯薄膜隔离材料在正、负极间间隔而成。正极包括由锂和二氧化钴组成的锂离子收集极及由铝薄膜组成的电流收集极。负极由片状碳材料组成的锂离子收集极和铜薄膜组成的电流收集极组成。电池内充有有机电解质溶液。另外还装有安全阀和PTC元件，以便电池在不正常状态及输出短路时保护电池不受损坏。

The interior of the battery adopts a spiral wound structure, which is formed by a very meticulous and highly permeable polyethylene film separator material separated between the positive and negative electrodes. The positive electrode includes a lithium ion collector composed of lithium and cobalt dioxide and a current collector composed of an aluminum film. The negative electrode consists of a lithium ion collector composed of a sheet carbon material and a current collector composed of a copper film. The battery is filled with an organic electrolyte solution. In addition, a safety valve and PTC components are installed to protect the battery from damage when the battery is in an abnormal state and the output is short-circuited.