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E-MOBILITY BATTERY 2021

电动车电池画册2021

深圳市风云电池有限公司

Melasta-A Professional Portable Power Solutions Provider

MELASTA INTRODUCTION 公司简介



Founded in 2008, Melasta is one of the leading manufacturing company for lithium ion batteries. We have the honor to get the Hi-Tech company award by Chinese Government. We are Involved in the R&D, Production, Assembling, Marketing and Sales of the Lithium Ion Batteries.

From the founding days, Melasta set the stringent standards in areas of raw material inspection, manufacturing processes and inspection to ensure the stability and reliability of quality of our products. And Melasta has continuous building and improving our own QCA system in accordance with Standard ISO9001 Quality Assurance.

As far as now, MELASTA has got many certificates for it's products, for example UL, KC, CE, RoHS, CB, KC, FCC etc. and has a high reputation and well-known both in domestic and foreign markets.

深圳市风云电池有限公司成立于2008年，总部设在深圳龙华新区，工厂分布在福建、东莞等地区，并在德国比利时、美国等国家设有办事处。是一家专业研发、生产、销售锂离子电池和提供便携式电源解决方案的供应商。现公司的主要产品包括锂离子电池系列、锂聚合物电池系列、磷酸铁锂电池系列及相关的充电器等，并且可以根据客户需求提供OEM/ODM服务。公司自成立以来，严格按照ISO9001质量体系的要求建立和完善自己的品质保证系统，从原材料采购、原材料检验、制程控制到成品出货等都有完善、系统、科学的操作规范，确保产品的质量稳定可靠；当前公司产品获得UL，CB，KC，PSE，FCC，CE，UN38.3等认证，在国内外市场上拥有较高的盛誉度和知名度。现我司产品运用范围广泛覆盖了医疗器械、电动工具、电动车、移动电源、专业赛车等。



HI-TECH Enterprise of China
国家高新技术企业



2 R&D Centers
2个研发中心



3 Production Plants
3个工厂



500+ skilled workers
500+熟练的技术工人



12+ years' battery experience
12+年电池生产经验



50+ International Research Patents
50+国家专利证书



40+ Engineers and technicians
40+技术工程师



20000m² factory area
20000平方米厂房面积

COMPANY CERTIFICATIONS 企业资质



China High-Tech Enterprise



China High-Tech Enterprise



ISO9001



Appearance design patent



Patent for Utility Model



Patent for Utility Model



UL



PSE



CB



IEC62133



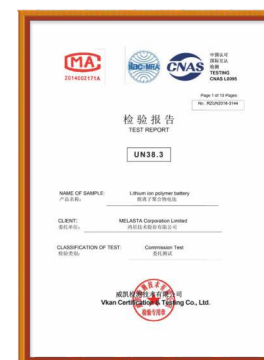
KC



CE



FCC



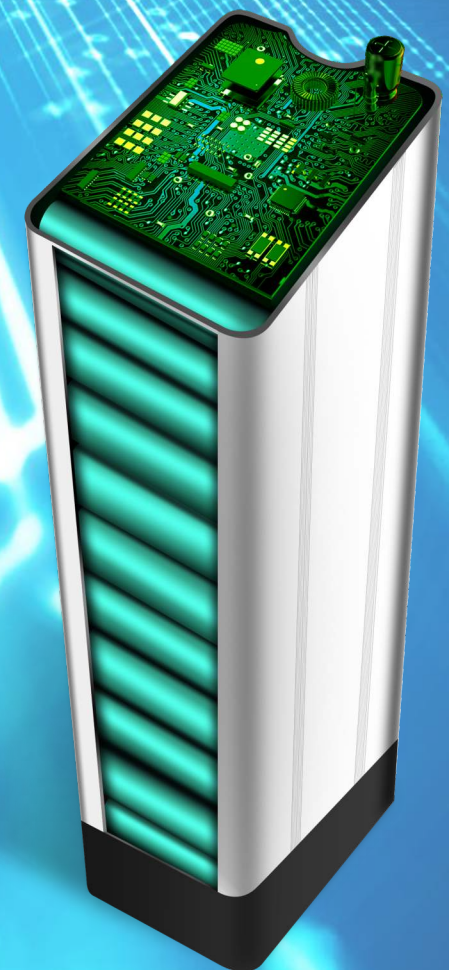
UN38.3

WHY MELASTA? Melasta核心优势

E-bike battery is one of Melasta's main products. Melasta offers a wide range of E-bike battery solutions and replacement batteries for Panasonic, Yamaha, Bosch, and Brose e-bike drive systems. It has more than 100 e-bike standard battery pack models which can be used for multiple drive systems and provide the perfect fit for the e-bike system and design. Melasta also provides the customized solutions from design to finish product with compatible charger solution according to the customer's requirements to build the perfect E-bike battery solution.

Our goal is to create ease in the e-mobility business by providing multiple solutions at one platform. We are focused on facilitating our customers by delivering innovative and best performance battery solutions according to the future market needs.

电动车电池是Melasta的主营产品之一，主要包括电动自行车电池，电动摩托车电池，电动轮椅车，电动滑板车电池等。Melasta现拥有近百种标准的电动自行车电池型号，可以满足各种车型及需求。Melasta还可根据客户要求提供从设计到最终产品的定制解决方案，以及兼容的充电器解决方案，以构建完美的电动自行车电池解决方案。我们的目标是通过在一个平台上提供多种解决方案来简化电动汽车业务，致力于根据未来市场发展为我们客户提供创新和最佳性能的电池解决方案。



R&D

Research and Innovation Culture

- Hi-Tech Company
- 2 research Labs
- 50+ research patents
- Customized Solution Service
- Educational Research partner with formula student racing teams

研发及创新

- 国家高新技术企业
- 2+研发中心
- 50+国家专利证书
- 定制化电源方案
- 方程式赛车团队长期合作的技术研究伙伴

One Stop Shop for E-Bike Battery Solutions

- Replacement Batteries for Brand E bikes: Yamaha, Bosch, Brose
- Standard E-bikes Solution More than 30 Available design
- E-bike Battery Customization Service
- BMS design
- 3 D housing Mold design
- Battery Performance testing

一站式电动自行车电池解决方案供应商

- 原装电动自行车替代电池：Yamaha, Bosch, Brose
- 30+标准电动自行车设计解决方案
- 定制化电动自行车服务
- 定制化保护板
- 3D外壳模具设计
- 电池可靠性性能测试

Professional E-Mobility Battery Solutions Supplier

- Three Wheeler batteries
- Wheelchair battery
- e- bus battery
- Formula student racing Car Batteries

专业的电动出行设备电池解决方案供应商

- 三轮电动车电池
- 电动轮椅电池
- 电动汽车电池
- 方程式赛车电池



Production capacity:

- 11+ years of battery production experience, perfect quality management system
- 5 cell selection processes to ensure high consistency of cell parameters, extend the working time and cycle life of the battery
- Fully automatic welding equipment, to guaranty each cells were assembly well,
- All batteries are tested for anti-high temperature aging before going out to ensure that the products are 100% qualified

生产能力

- 11年的电池生产经验，完善的质量管理体系
- 5道电芯筛选工艺，确保电芯参数高度一致
- 全自动焊接设备，确保每颗电芯无漏焊，无虚焊
- 所有电池出场前经过抗高温老化检测，确保产品100%合格

Military grade Batteries:

- The batteries are used well-known brands, such as Panasonic, LG, Sanyo, BAK, Lishen etc
- Super high energy density cells, up to 210wh/kg, smaller and light, large power
- Strong power, single cell can reach 30A
- Long cycle life, more than 1000 times (@80% SOC)
- Each battery cell has an independent CID current cut-off device to prevent from on fire caused by overcharge, over-discharge, and over-current
- Green energy, environmental protection and pollution-free

电芯的选用：

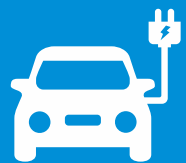
- 选用的是国内外知名品牌电芯，松下，LG，三洋，BAK，力神
- 单体能量密度高达210wh/kg以上，体积小，能量大
- 动力强，单体电芯可达到30 A
- 使用寿命长，1000次以上循环寿命（80% SOC）
- 每节电芯具有独立CID电流切断装置，防止过充、过放、过流引起内部短路起火
- 绿色能源，环保无污染

After sales Service:

- Multi cultural Team
- one year Product Warrenty
- one to one support

售后服务

- 多语言多文化团队
- 1年的标准保质期
- 1对1服务



PRODUCT RANGE 产品范围

Down Tube Battery 09-12
下管类电动自行车电池

Rear Carrier Battery 13-18
后支架类电动自行车电池

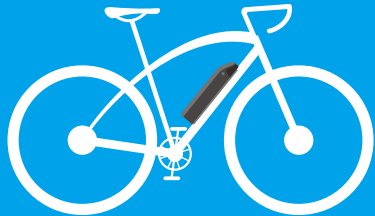
In-frame Battery 19-22
带管类电动自行车电池

Seat Tube Battery 23-26
座管类电动自行车电池

Electric Motorcycle Battery 27-28
电动摩托车电池

Electric Wheelchair Battery 29-30
电动轮椅电池





Down Tube Battery 下管类电动自行车电池



MB-HL1-2-C65/海龙

Dimensions : 367.4*90.3*111(mm)

Max. Cells : 65pcs (18650)

Voltage	36V	48V
Configuration	10S6P	13S5P
Capacity Range	12Ah-21Ah	10Ah-17.5Ah



MB-HLPRO-C52/海龙

Dimensions : 367.4*90.3*92.8(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17.5Ah	8Ah-14Ah



MB-HY-C52/海月

Dimensions : 418.6*90*104.7(mm)

Max. Cells	18650	21700
	52pcs	30pcs

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17.5Ah	8Ah-14Ah



MB-HY-C52C/海月

Dimensions : 424.6*90*104.7(mm)

Max. Cells	18650	21700
	52pcs	30pcs

Voltage	36V	48V
ConfigUration	10S6P	13S5P
Capacity Range	12Ah-21Ah	10Ah-17.5Ah



MB-DC-C40/动车

Dimensions : 401*78*78(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-DC-C40C/动车

Dimensions : 446.2*78*78(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-DS4-C40/虎鲨

Dimensions : 343*78*99(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-DS4C-C40/虎鲨

Dimensions : 378*78*99(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-DF1-C14/东风

Dimensions : 302.9*76*87.1(mm)

Max. Cells : 14pcs (18650)

Voltage	21V
Configuration	7S2P
Capacity Range	4Ah-7Ah



MB-DF1-2-C14/东风

Dimensions : 339.5*76*87.1(mm)

Max. Cells : 14pcs (18650)

Voltage	21V
Configuration	7S2P
Capacity Range	4Ah-7Ah



MB-DP9C-C84/鸚鵡

Dimensions : 368*90*141(mm)

Max. Cells : 84pcs (18650)

Voltage	36V	48V
Configuration	10S8P	13S6P
Capacity Range	16Ah-28Ah	12Ah-21Ah

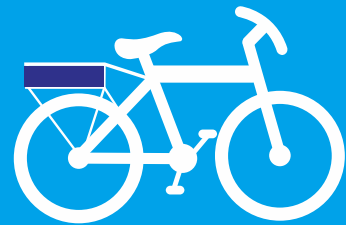


MB-DP4C-C52/鸚鵡

Dimensions : 368*95*106(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17.5Ah	8Ah-14Ah



Rear Carrier Battery 后支架类电动自行车电池



MB-YG072-C52/阳光动力

Dimensions : 421*157*43(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-14Ah



MB-JL067-C52/吉龙

Dimensions : 453*163*60(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-14Ah



MB-JL099-C52/吉龙

Dimensions : 445*163*67(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-14Ah



MB-HB030-C52/海豹

Dimensions : 410*157*57(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-14Ah





MB-XHB073-C65/海豹

Dimensions : 455.4*157.4*55.9(mm)

Max. Cells : 65pcs (18650)

Voltage	36V	48V
Configuration	10S6P	13S5P
Capacity Range	12Ah-20.4Ah	10Ah-17Ah



MB-HT028-C40/海天

Dimensions : 414.5*148.68(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-13.6Ah	6Ah-10.2Ah



MB-HY037-C52/海鹰

Dimensions : 436.6*149*62.1(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-13.6Ah



MB-HT003-C52/海豚

Dimensions : 430.8*156*67.5(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-13.6Ah



MB-SX076-C91/松下

Dimensions : 475.9*165.3*89.2(mm)

Max. Cells : 91pcs (18650)

Voltage	36V	48V
Configuration	10S9P	13S7P
Capacity Range	18Ah-30.6Ah	14Ah-23.8Ah



MB-SX079-C52/松下

Dimensions : 444.3*150*74.6(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-13.6Ah



MB-HT004-C52/海豚

Dimensions : 368*90*141(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-13.6Ah



MB-TL008-C52/天龙

Dimensions : 336.1*149*68.1(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-13.6Ah



MB-HB2-1-C30/海宝

Dimensions : 332.8*147.6*79.5(mm)

Max. Cells : 30pcs (18650)

Voltage	36V
Configuration	10S3P
Capacity Range	6Ah-10.2Ah



MB-GMRB1-C52/光芒

Dimensions : 414.5*148.68(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-13.6Ah



MB-HM1-C40/海马

Dimensions : 402*140.6*76(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-13.6Ah	6Ah-10.2Ah



MB-SX088-C52/松下

Dimensions : 343*78*99(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-13.6Ah



MB-XQW-C56/青蛙

Dimensions : 243*144*243(mm)

Max. Cells : 56pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17Ah	8Ah-13.6Ah



MB-HYJ106-C117/后衣架

Dimensions : 370*150*80(mm)

Max. Cells : 117pcs (18650)

Voltage	36V	48V
Configuration	10S11P	13S9P
Capacity Range	22Ah-37.4Ah	18Ah-30.6Ah



MB-DS4C-C40/袋鼠

Dimensions : 407*148*74(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-13.6Ah	6Ah-10.5Ah

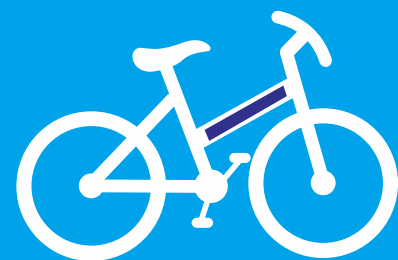


MB-DYJB-C84/易驾宝

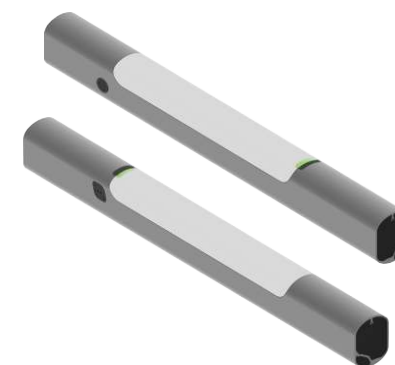
Dimensions : 253*146*79(mm)

Max. Cells : 84pcs (18650)

Voltage	36V	48V
Configuration	10S8P	13S6P
Capacity Range	16Ah-27.2Ah	12Ah-20.4Ah



In-frame Battery 带管类电动自行车电池



MB-NY085-C40U/南洋

Dimensions : 420*68*86(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah

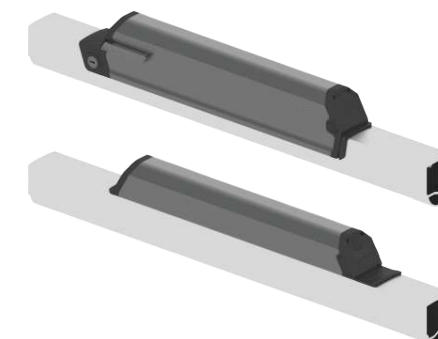


MB-YG070-C60U/阳光

Dimensions : 575*61.3*84.3(mm)

Max. Cells : 60pcs (18650)

Voltage	36V	48V
Configuration	10S6P	13S4P
Capacity Range	12Ah-21Ah	8Ah-10.5Ah



MB-FT095-C65U/丰田

Dimensions : 505.6*64.3*104(mm)

Max. Cells : 65pcs (18650)

Voltage	36V	48V
Configuration	10S6P	13S5P
Capacity Range	12Ah-21Ah	10Ah-17.5Ah



MB-NH0901-C52U/南海

Dimensions : 454.8*75.1*72(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17.5Ah	8Ah-14Ah



MB-CC075-C40/长城

Dimensions : 406.7*48*93.5(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-LS059-C40/庐山

Dimensions : 349.4*66.6*94(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-MYPLS-C40U/鳗鱼

Dimensions : 392*77*97(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-FS3-C30/半月

Dimensions : 376*42*85(mm)

Max. Cells : 30pcs (18650)

Voltage	36V
Configuration	10S3P
Capacity Range	6Ah-10.5Ah

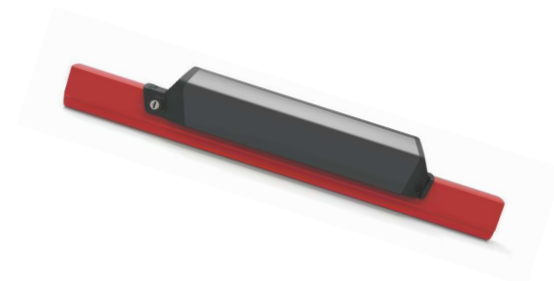


MB-JYMINI-C40/剑鱼

Dimensions : 458*65*74(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-JYMAX-C80/剑鱼

Dimensions : 458*79*104(mm)

Max. Cells : 80pcs (18650)

Voltage	36V	48V
Configuration	10S8P	13S6P
Capacity Range	16Ah-28Ah	12Ah-21Ah



MB-FR4-C40/利剑

Dimensions : 376*40*100(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-FR5-C52U/犀牛

Dimensions : 343*74*99(mm)

Max. Cells : 52pcs (18650)

Voltage	36V	48V
Configuration	10S5P	13S4P
Capacity Range	10Ah-17.5Ah	8Ah-14Ah



Seat Tube Battery 座管类电动自行车电池



MB-HX4-C30/海星

Dimensions : 373.4*162.4*113.5(mm)

Max. Cells : 30pcs (18650)

Voltage	36V
Configuration	10S3P
Capacity Range	6Ah-10Ah



MB-HX2-C40/海星

Dimensions : 316.2*229.8*102.3(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



MB-SF015-C65D/银鱼

Dimensions : 388.6*107.5*63.9(mm)

Max. Cells : 65pcs (18650)

Voltage	36V	48V
Configuration	10S6P	13S5P
Capacity Range	12Ah-21Ah	10Ah-17.5Ah



MB-SF012-C65D/银鱼

Dimensions : 388.6*107.5*75(mm)

Max. Cells : 65pcs (18650)

Voltage	36V	48V
Configuration	10S6P	13S5P
Capacity Range	12Ah-21Ah	10Ah-17.5Ah


MB-HY1-C40/海洋

Dimensions : 364.1*85.2*117.3(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah


MB-HY2-C40/海洋

Dimensions : 328.6*84*120.6(mm)

Max. Cells : 40pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah


MB-JM051-C90U/金马

Dimensions : 367.9*166.3*102(mm)

Max. Cells : 90pcs (18650)

Voltage	36V	48V
Configuration	10S9P	13S6P
Capacity Range	18Ah-31.5Ah	12Ah-21Ah


MB-YH01-C28/樱花

Dimensions : 362*107*96(mm)

Max. Cells : 28pcs (18650)

Voltage	36V
Configuration	7S4P
Capacity Range	8Ah-14Ah


MB-SF022-C60U/海银

Dimensions : 356.6*134.8*87(mm)

Max. Cells : 60pcs (18650)

Voltage	36V	48V
Configuration	10S6P	13S4P
Capacity Range	12Ah-21Ah	8Ah-14Ah


MB-SF054-C65D/全塑海银

Dimensions : 396.1*110.7*78(mm)

Max. Cells : 65pcs (18650)

Voltage	36V	48V
Configuration	10S6P	13S5P
Capacity Range	12Ah-21Ah	10Ah-17.5Ah


MB-YH02-C40/樱花

Dimensions : 358.7*107*105.4(mm)

Max. Cells : 40pcs (18650)

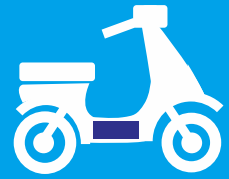
Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah


MB-LY2-C42/丽影

Dimensions : 374*88.9*67(mm)

Max. Cells : 42pcs (18650)

Voltage	36V	48V
Configuration	10S4P	13S3P
Capacity Range	8Ah-14Ah	6Ah-10.5Ah



Electric Motorcycle Battery

电动摩托车电池



MB-HDC07-C180

Dimensions : 230.4*180.5*172(mm)

Max. Cells : 180pcs (18650)

Voltage	48V	60V	72V
Configuration	13S13P	17S10P	20S9P
Capacity Range	26Ah-45.5Ah	20Ah-35Ah	18Ah-31.5Ah



MB-HDC08-C260

Dimensions : 230.4*180.5*172(mm)

Max. Cells : 260pcs (18650)

Voltage	48V	60V	72V
Configuration	13S20P	17S15P	20S13P
Capacity Range	40Ah-70Ah	30Ah-52.5Ah	26Ah-45.5Ah



MB-HDC10-C240

Dimensions : 183*156*340(mm)

Max. Cells : 240pcs (18650)

Voltage	48V	60V	72V
Configuration	13S18P	17S14P	20S12P
Capacity Range	36Ah-63Ah	28Ah-50.4Ah	24Ah-42Ah



MB-HDC11-C112

Dimensions : 183*156*159.5(mm)

Max. Cells : 112pcs (18650)

Voltage	48V	60V	72V
Configuration	13S8P	17S6P	20S5P
Capacity Range	16Ah-28Ah	12Ah-21Ah	10Ah-17.5Ah



MB-HDC05-C104

Dimensions : 290*190*80(mm)

Max. Cells : 104pcs (18650)

Voltage	48V	60V	72V
Configuration	13S8P	17S6P	20S5P
Capacity Range	16Ah-28Ah	12Ah-21Ah	10Ah-17.5Ah



MB-HDC06-C126

Dimensions : 182*155*172(mm)

Max. Cells : 126pcs (18650)

Voltage	48V	60V	72V
Configuration	13S9P	17S7P	20S6P
Capacity Range	18Ah-31.5Ah	14Ah-24.5Ah	12Ah-21Ah





Electric Wheelchair Battery

电动轮椅电池


MB-HDC14-C81

Dimensions : 291.3*198.3*70.7(mm)

Max. Cells : 81pcs (18650)

Voltage 24V

Configuration 8S10P

Capacity Range 20Ah-35Ah


MB-LY2-C81

Dimensions : 245*190*115(mm)

Max. Cells : 81pcs (18650)

Voltage 24V

Configuration 8S10P

Capacity Range 20Ah-35Ah


MB-LY1-C84

Dimensions : 250*150*80(mm)

Max. Cells : 84pcs (18650)

Voltage 48V

Configuration 13S6P

Capacity Range 12Ah-21Ah


MB-HDC12-C82

Dimensions : 253.5*144*72(mm)

Max. Cells : 82pcs (18650)

Voltage 24V

Configuration 8S10P

Capacity Range 20Ah-35Ah


MB-LYSH-C28

Dimensions : ϕ 81.5mm*289mm(h)

Max. Cells : 28pcs (18650)

Voltage 24V

Configuration 7S4P

Capacity Range 8Ah-14Ah


MB-LYSF-C28

Dimensions : 89*87*232(mm)

Max. Cells : 28pcs (18650)

Voltage 24V

Configuration 7S4P

Capacity Range 8Ah-14Ah

OUR ADVANTAGE 我们的优势

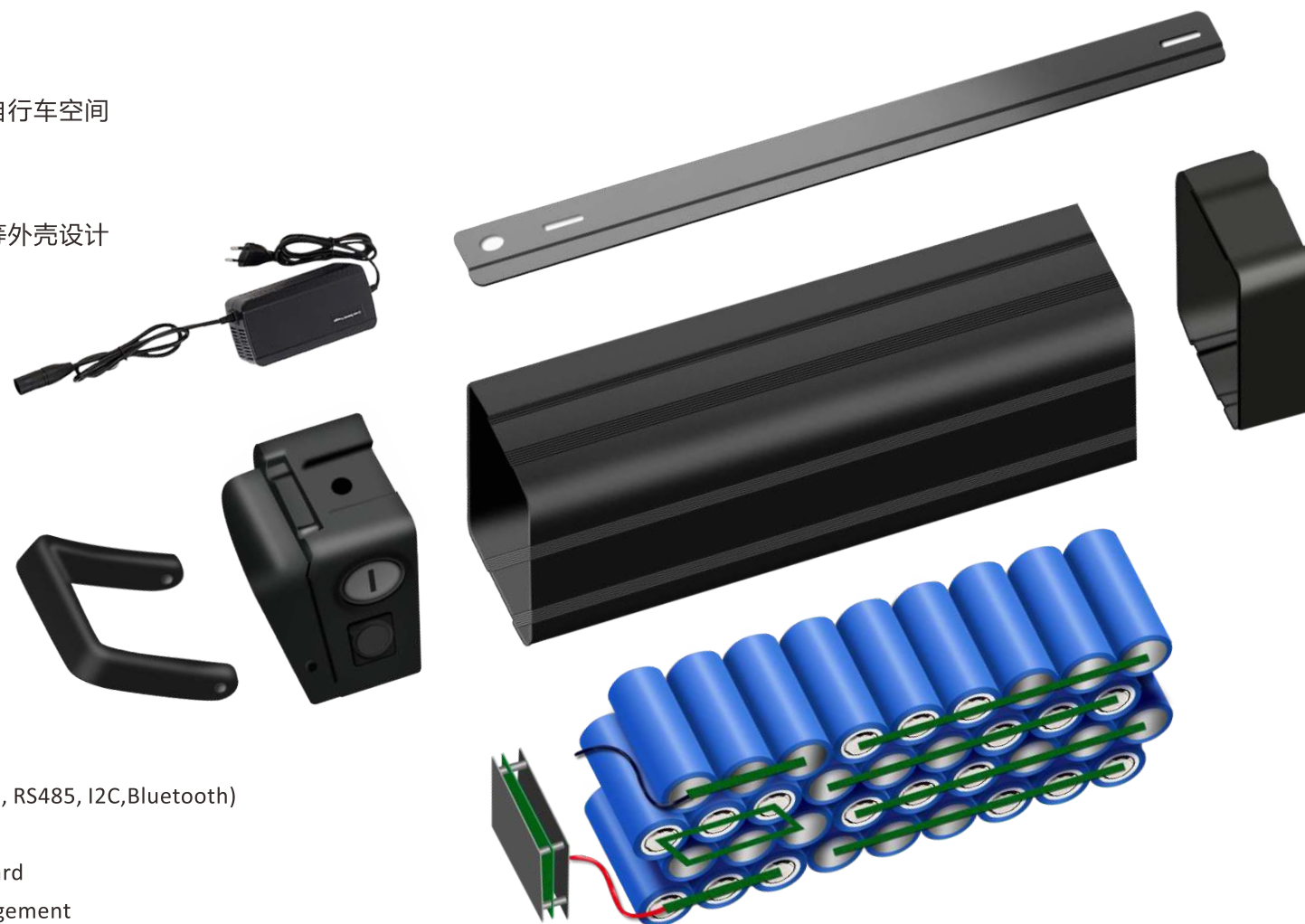


Customized shape

- Housing design, saving space on bike
- Housing molding
- Housing design feasibility testing
- Water proof design

多样化外壳

- 合理的外观设计，可节省电动自行车空间
- 外壳建模
- 提供壳具设计合理性测试
- 提供防尘、防水、阻燃、防爆等外壳设计



BMS Advantage

- Communication protocol (CAN Bus, RS485, I2C, Bluetooth)
- APP display
- 8 functions smart BMS protect board
- Smart charge and discharge management

智能BMS

- 可兼容多种通讯协议，如CAN Bus, RS485, I2C, Bluetooth
- 可用手机APP智能监控电池状态
- 具有过充、过放、过流等8重保护功能
- 智能充、放电管理



Advantage of customized battery

- Compact size
- More capacity
- Product design fit
- Weight reduction
- Design patent
- Unique bike design

定制方案的优势

- 紧凑的尺寸设计，减少电池的空间
- 容量高，续航时间更久
- 多样化外观设计，贴合各种电动自行车车形
- 重量轻，爬坡更有力
- 外壳专利，可帮助客户去定制属于他们的专利产品
- 独一无二的电池设计，引领时尚潮流



Cell selection

- International Well-known brand cells
- Wide range temperature -20°C~+60°C cells
- High discharge cell selection
- Fast charge enabled cell

多样化电芯选择

- 采用全球一线品牌电芯以及Melasta 自主研发和生产的A级电芯
- 使用温度范围广，在低温的情况下也能正常使用
- 爆发力强，爬坡不掉档，持续强劲有力
- 充电快，可随时充电，随时放电

CELL SELECTION 电芯选择

The battery cell is an integral part of the battery pack. Melasta provides a unique experience to the customers that they can modify their batteries according to their requirements, and these batteries will be compatible to the drive systems well. Most commonly used chemistry for E-bike battery packs are LiCoO2 and NCM, but Melasta also offers LiFePO4 battery too. Besides, Melasta is the secondly dealer of many international well-known brand company, such as Panasonic, Samsung, and Sony, LG and BAK and so on, this ensure your batteries always with high quality and enough power.

Melasta可根据客户对电压、容量、功率等不同的需求来提供定制方案，根据方案的需求来选用高性能、高品质的国际进口品牌电芯或者我司自主研发的电芯来组装成电池组。Melasta的电芯合作伙伴有松下，三星，LG，三洋，Sony等国际知名品牌，并且还是国内顶级电芯供应商比克电池的国内代理商。



Panasonic



Samsung



Sony



Sanyo



LG



Melasta

Brand	Capacity Range	Discharge Current Rate	Cell Dimensions	Chemistry	Voltage
Panasonic	2040-3500mAh	4A-10A	18650	LiCoO ₂	3.7V
Samsung	2200-3600mAh	4A-15A	18650	LiCoO ₂	3.7V
Sony	2100-3000mAh	8A-30A	18650	LiCoO ₂	3.7V
Sanyo	2200-3000mAh	3A-20A	18650	LiCoO ₂	3.7V
LG	1500-3350mAh	4A-30A	18650	LiCoO ₂	3.7V
Melasta	1400-2600mAh	1.6A22.5A	18650	LiCoO ₂	3.7V
Melasta	1100-2600mAh	1A-30A	18650	LiFePO ₄ (Safest Chemistry)	3.2V

Our Partners 合作伙伴

