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智能超充方案

Smart super charging solution

充电15分钟，续航180公里

Charging 15 minutes with 180 km

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AC to C Charging Solution

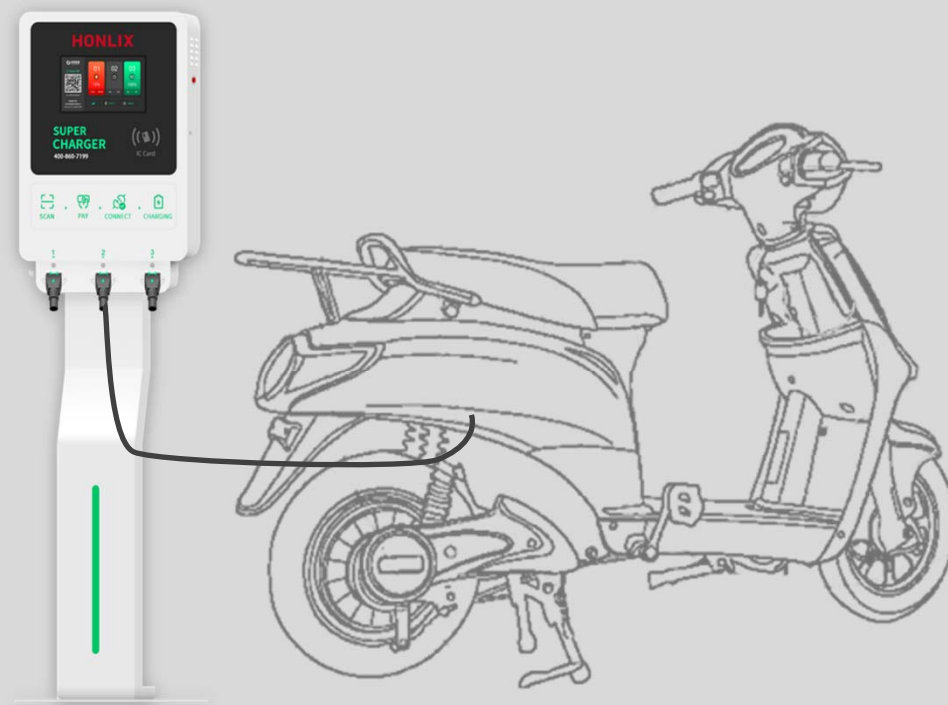


HLK-604



HLK-624

DC to B Charging Solution



HLK-616

AC to C Charging Solution

1. Socket & OBC cost 1800 RMB
车身充电座+OBC成本约在1800元
2. Installation space needs to be relatively large, part of the motorcycle can't meet
安装空间大，车身没有空间安装
3. OBC is relatively heavy and directly reduces the range of the vehicle
OBC比较重，降低续航里程5%左右

DC to B Charging Solution

1. OBC and socket are not required
充电座和OBC都不需要了
1. 2. OBC and socket are not required
充电座和OBC都不需要了
3. Endurance improved by about 5%
续航可提升5%左右

交流 智能超充方案 to C

AC Smart super charging solution to C

AC Solution

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基本参数 The basic parameters :

1. 输入电压范围

The input voltage range : **AC90V~264V**

2. 频率范围 Frequency range : **45Hz~65Hz**

3. 功率因数 The power factor : **≥0.99**

4. 满载效率 Full of efficiency : **≥93%**

5. 机械冲击及抗震等级 Mechanical shock and earthquake resistant level : **QC/T 895 – 2011**

6. 防护等级 Protection grade : **IP67**

7. 工作温度 Working temperature : **- 40C° ~ 85C°**

8. 存储温度 Storage temperature : **- 40C° ~ 105C°**

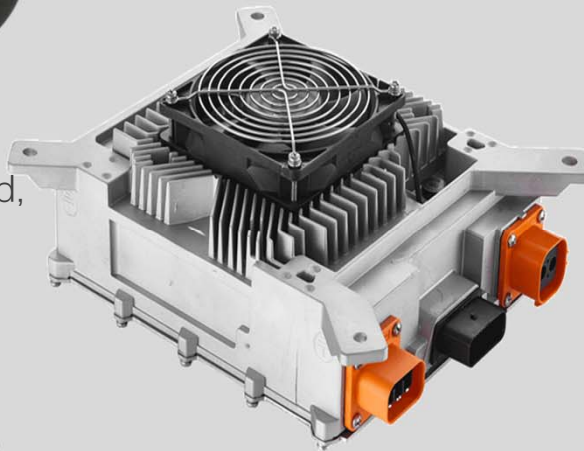
9. 充电控制 The charging control : 通过**CAN总线**控制 或使能线控制

Through the CAN bus control or **CAN** make line control



支持欧标、国标 ACDC

Support for European standard,
national standard ACDC



OBC 3KW



CCS2 支持ACDC、DCDC

ACDC, DCDC CCS2 support

直流 智能超充方案 to B

DC Smart super charging solution to B

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智能语音提示

The intelligent voice prompt

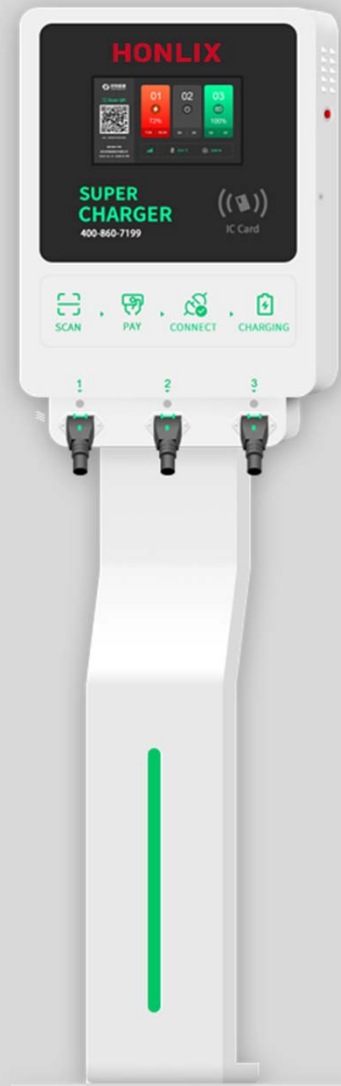


空载断电



智能插入检测

Intelligent insert test



远程升级

The remote upgrade



充满自停

Full stop



断电记忆

Power off memory

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直流 智能超级充电桩规格书

DC Smart super charging pile specification

1.电压/Voltage : 48~100V

2.单相电力接入/Single phase power access

3.功率/Power : 9.9KW

4.单路输入功率/Single input power : 3.3KW

5.充电枪数/Charging plug number : 3

6.单路最大电流/The single biggest current : 50A~150A

7.产品材质/Product material : 钣金机身Sheet metal fuselage

8.支付方式/Method of payment : 刷卡/扫码Credit card/code

9.安装方式 /installation : 壁挂/立柱 Hanging/column

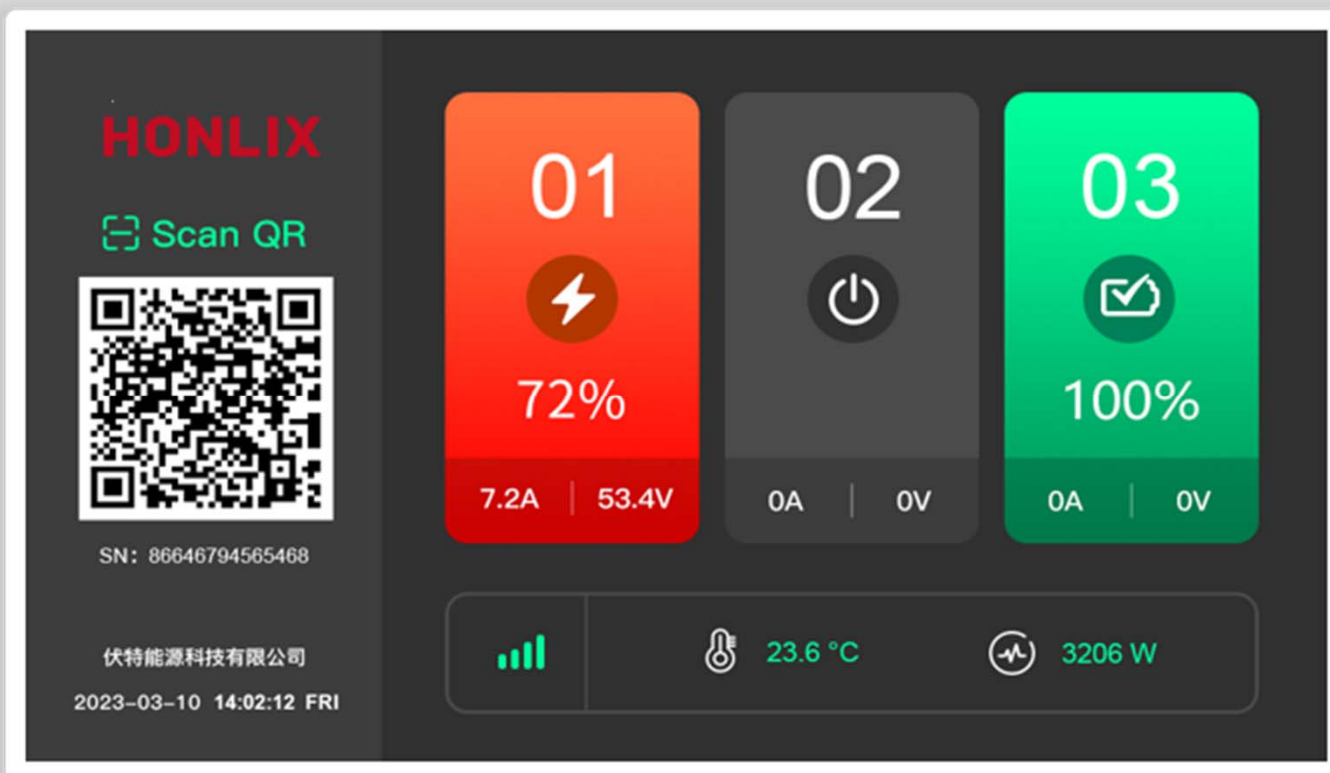
10.防水防尘等级/Waterproof and dustproof level : IP54

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充电桩屏幕介绍 Screen introduction

充电状态指示灯 Charging status indicator light



充电操作提示

Charging operation hints



运行状态显示

Running status display



实时充电查询

Charging real-time query



充电参数设置

Charging parameter Settings

红色

red

充电中

In the charging

黑色

black

待机中

In the standby

绿色

green

已充满

Has been full of

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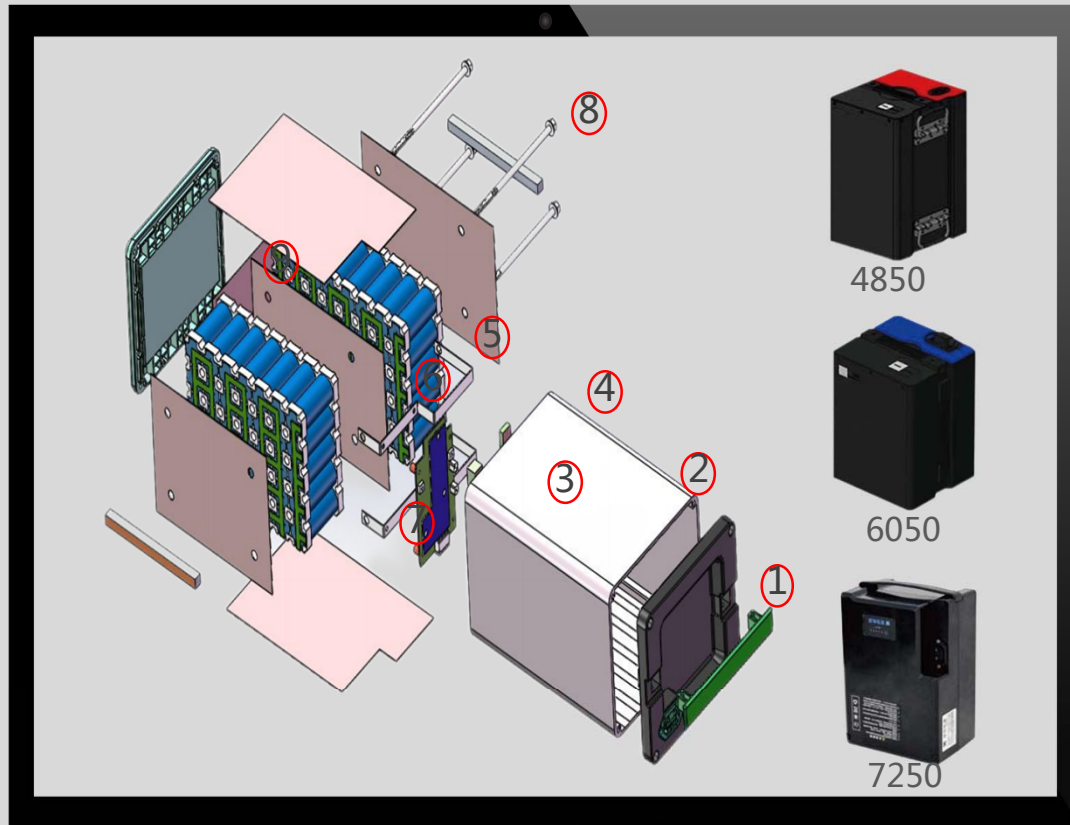
电池基本参数

PACK The basic parameters :

1. 上盖、提手 Upper cover & lifting handle
2. 铝桶 Aluminum bin
3. BMS (24串150A持续放电)
4. 支架 Holders
5. 绝缘保护板 Isolation Protection Board
6. 电芯 (高倍率电芯最大支持持续**4C**充放电)

Core Batteries

7. 导流片、支架 Guide Plate, holders
8. 固定螺栓 Fixed Bolts
9. 底盖 Lower cover

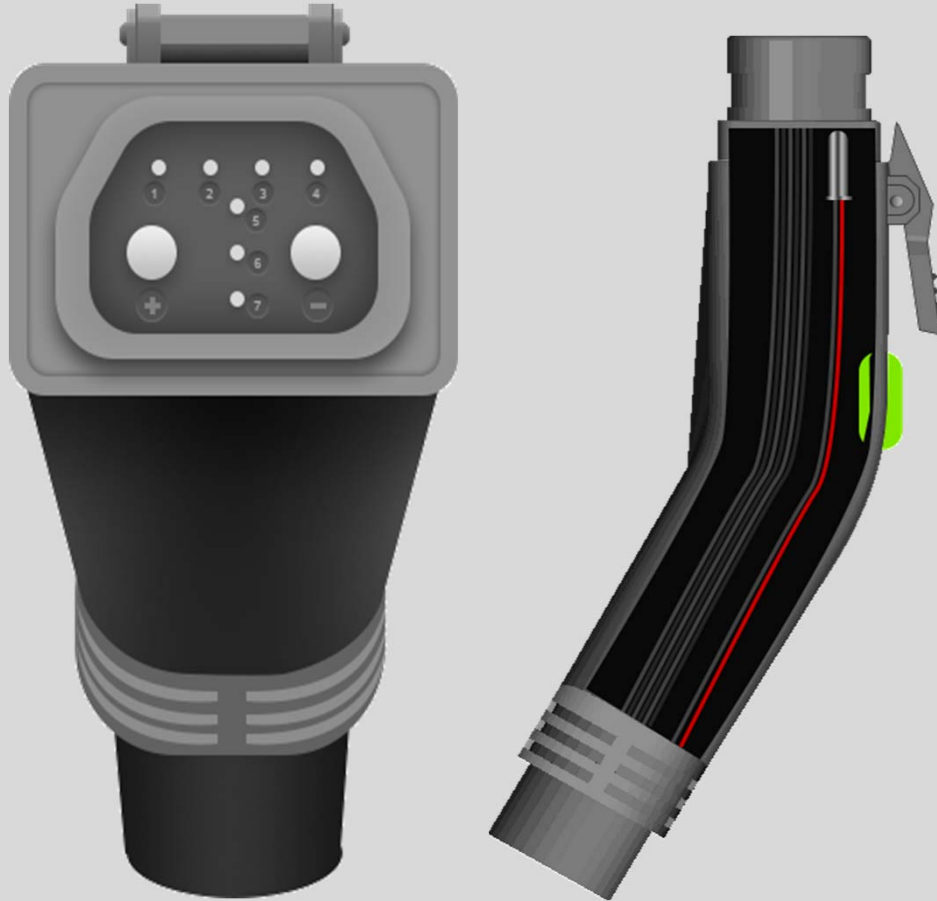


小电池 大容量, 72V 22AH 支持持续4C 充放电 SOC 0-100仅需 15分钟, 续航可达 70公里。

Small large capacity batteries, 72V 22AH support for 4C to charge and discharge SOC 0-100 range only 15 minutes is up to 70 kilometers.

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充电枪/ Charging gun

2+7pin 150A Max

1. 指示灯（共阴） Indicator light (Yin)
2. 指示灯（绿）Indicator light (green)
3. 指示灯（红）Indicator light (red)
4. 温度+ The temperature+
5. 温度- The temperature-
6. 在位 In office
7. 485A/B

Design by Fu



拒绝车体带电

Refused to car body
charged



充满断电

Full of power



零火线校正

Zero firewire correction



免接地线

Avoid ground wire



IP66防水

IP66 waterproof



漏电保护

Electric leakage protection

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应用领域

Application area



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安装方式 Installation mode

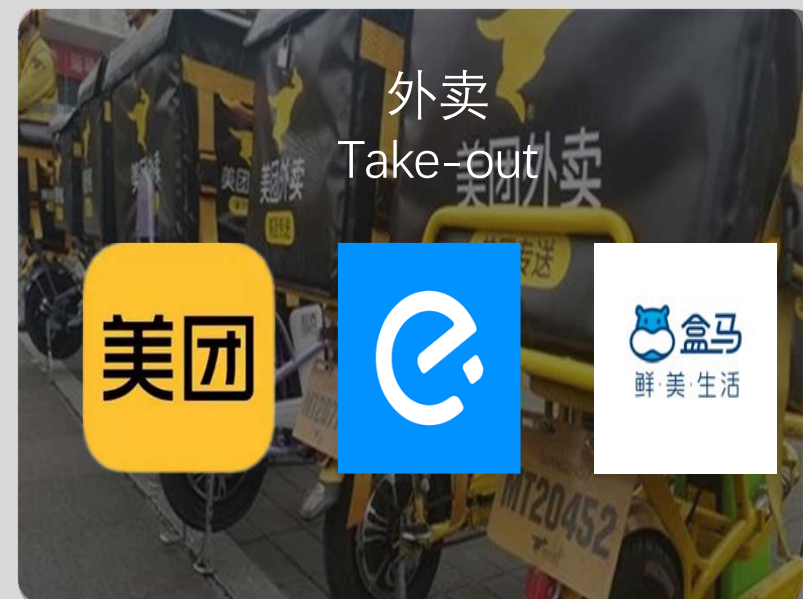
1. 根据安装环境，可以选择壁挂式或者立柱式
According to the installation environment,
can choose wall or column ;
2. 安装简单，支持200V电源，无需变压器
Modular design/stitching is simple

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应用领域

Application scenario




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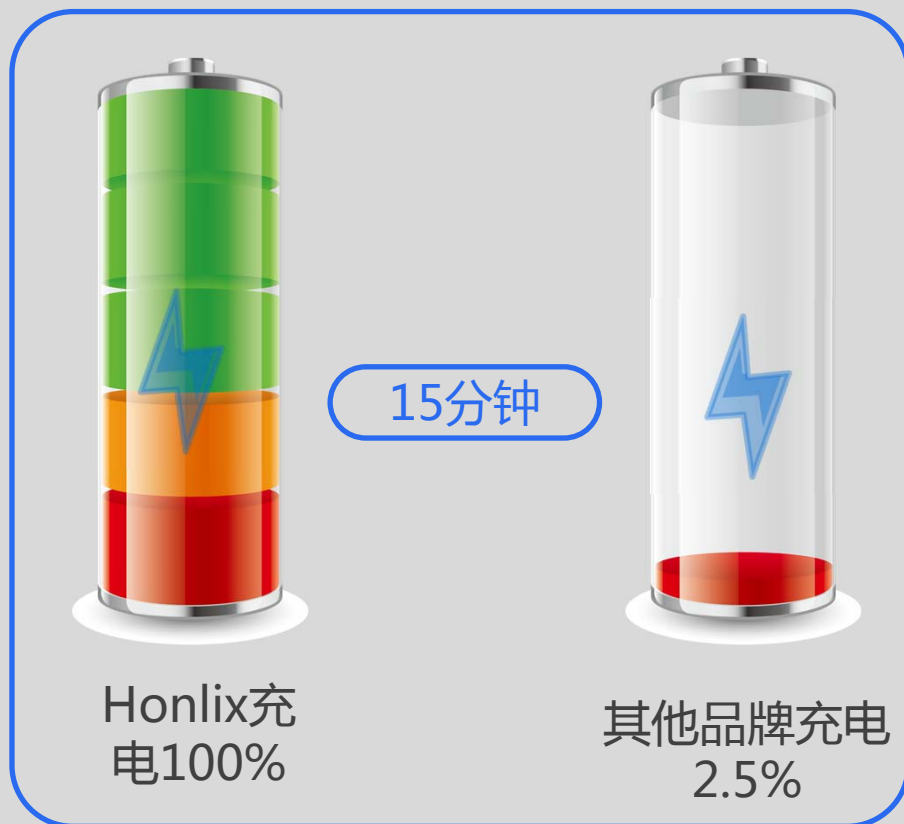
产品特点

Product features

- 
- A** 安装便捷 Convenient installation
模块化设计/拼接简单
Modular design/stitching is simple
 - B** 性价比高 High cost performance
适配户外多样化场景需求
Adapter demand diversification of outdoor scene
 - C** 操作简单 The operation is simple
触控按键反应灵敏
Responsive touch buttons
 - D** 支付灵活 Flexible payment
支持微信、支付宝及海外等多种支付
Support WeChat, pay treasure to pay

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与传统充电模式相比对

Compared to traditional charging modes

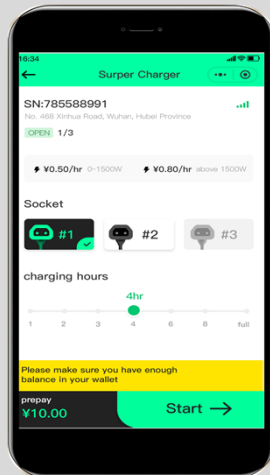
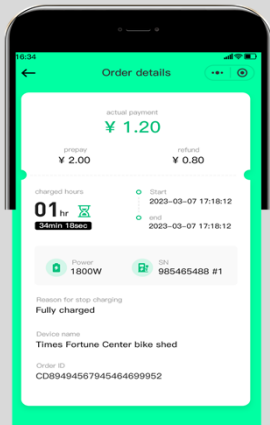
1. 充电速度提升约**40倍**
Charging about **40 times faster**
2. 充电时间缩短**97.5%**
Charging time by **97.5%**
3. 电池容量小，成本下降**80%**
Battery costs fell by **80%**

高倍率电芯+超充，充电就是超**快**

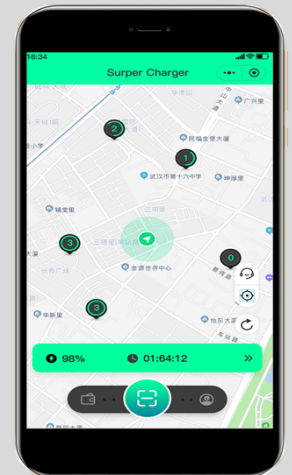
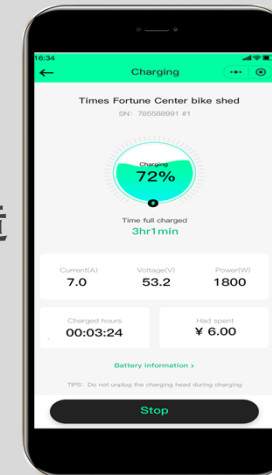
Low speed super charge, charge is super fast

充电系统 Charging system

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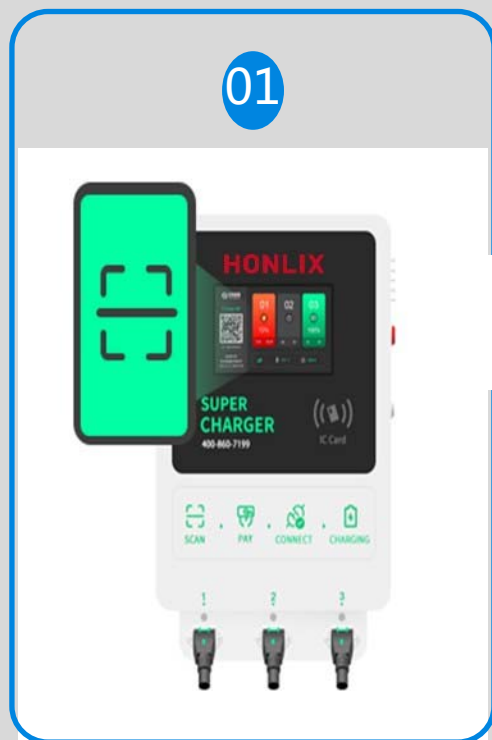
自主研发系统平台 专为设备**投放运营**打造
Independent research and development
system platform for the equipment on
the operation



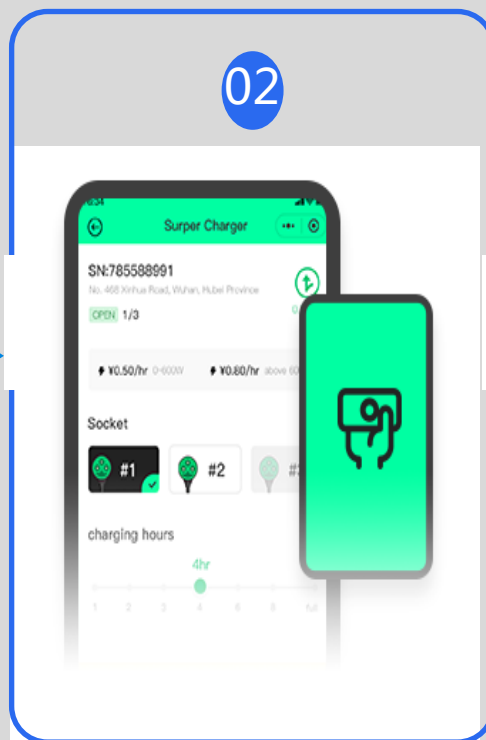
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操作步骤

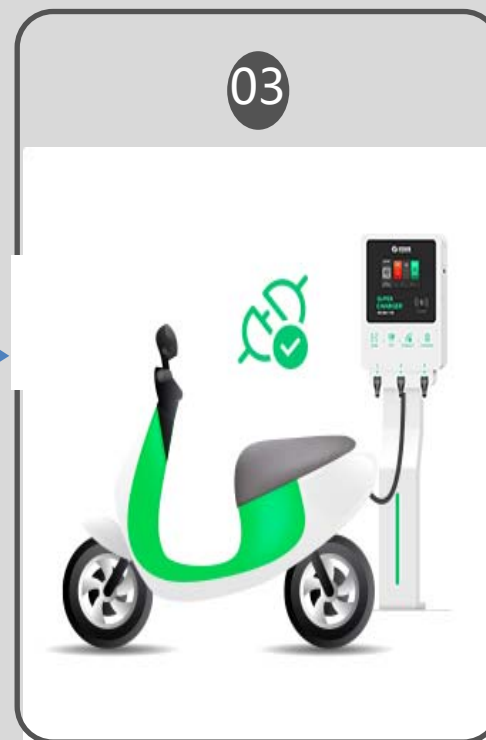
Application scenario



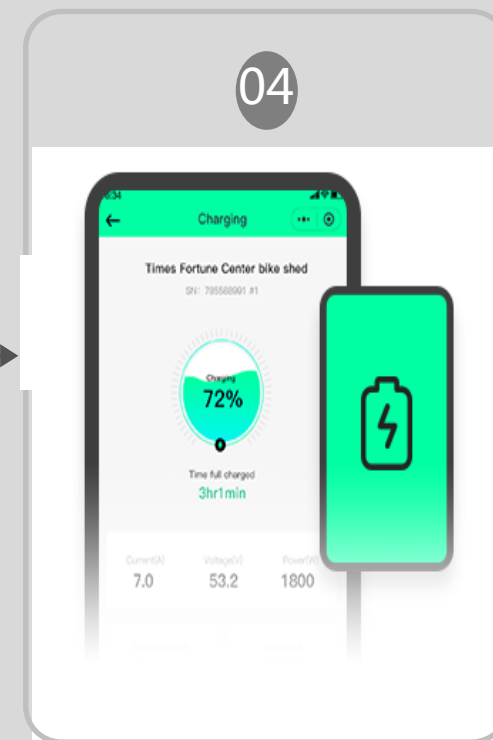
打开微信扫码充电桩上的二维码
Open the wechat and scan the QR code on the charging pile



选择空闲的插头, 充电时长并支付
Select the free plug, charge hours and pay



取出充电枪并连接电池
Take out the corresponding plug and connect the battery



电池后成功地检测到后开始收费
After the battery is successfully detected, start charging

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成本 The cost

便利性 Convenience

两轮车超充

传统换电行业

两轮车超充

传统换电行业



初期投入成本远低于换电柜（充电桩6000/台，电池2000元/台，无需其他费用）
Initial investment cost is much lower than in electric tank (RMB 2000 / / 6000 charging piles, battery, no other fees)



换电柜投入资金压力大、基础设施建设成本高（换电柜22000/台，电池3500元/台，场租费用4000元/年、场地改造费、电力增容费、运输费、拓点费.....）
In the electric cabinet invested large pressure, high infrastructure costs



220V单相市电接入，无需增容；充电桩体积小，占地少，运输方便；支持壁挂，对场地无要求。Single-phase 220 v mains access, no need of capacity; Charging pile of small size, less land, convenient transportation; No request support wall hanging, on site.



电力增容难；柜机体积大，运输不便；场地要求高
It is difficult to electric power capacity; Ark volume big, transportation inconvenience; Require high ground



换电价格低、回本周期短（300元/月租金，一台充电桩回本周期0.63年）
In short low electricity prices, back to the period (300 yuan/month, a charging pile back to this period of 0.63 year)



换电价格高、回本周期长（300元/月租金，一台换电柜回本周期4年）
In electricity price is high, long back to this period (300 yuan/month, one in electric tank back to the period of 4 years)



充电方便，充电时间短，随充随走。
Convenient charging, charging time is short, increases with the increasing charge.



电池体积大，更换不方便，电池充电时间长。
Battery has a large volume, change is not convenient, battery charging time is long.

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	项目 Project	智能超充 Super Charging pile		换电柜 Electric cabinet	
成本 The cost	充电桩/换电柜 Charging pile/Electric cabinet	6000	1台	44000	2台
	电池 The battery	40000 高倍率低容量	20台	105000 低倍率高容量	30颗
	场租 Venue rental	/		8000	1年/2台
	电费 Electricity	/		34560	1年
	运维费用 Operating costs	100		40000	1年/2台
	其他费用（增容费、拓点费、场地改造费、运输费） Other fees	500		60000	1年/2台
	合计费用 Total cost	46600	1年	291560	1年
营收 Revenue	收入 Income	72000	1年/20人 (300元/人/月)	72000	1年/20人 (300元/人/月)
	回本周期 Back to this period		约0.63年收回		约4年

Thanks

For more information, please visit our website
<http://www.honlix.com>