PSHARE

泊 位 共 享 / 错 时 停 车

泊 位 共 享 专 家
杭 州 泊 享 网 络 科 技 有 限 公 司
Parking Share Expert
Hangzhou Pshare Co., Ltd.

2016

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　　杭州泊享网络科技有限公司（以下简称泊享网络），专注于泊位共享智能解决方案，在智能交通领域拥有领先的产品理念和成熟的研发技术。

Hangzhou Pshare Co., Ltd. (Pshare) focuses on intelligent parking solutions. Pshare has advanced concept and mature technology in Intelligent Transportation.

　　泊享网络秉承"泊位共享，错时停车"的理念，自主研发基于蓝牙、Zigbee、RS485、4G等多种通讯手段的泊位共享智能系统，初步形成了面向个人泊位、充电桩及电动汽车分时租赁和大／中／小型停车场的智能停车解决方案。

Based on the concept of Parking Share and Cross-time Parking, Pshare developed innovative intelligent parking systems by many kinds of telecom technologies such as blue-tooth, Zigbee, RS485, 4G and so on. Pshare provides specific intelligent parking solutions for personnel parking lots, charge piles, EV time share lease and big/medium/small size parking lots.

　　未来泊享网络将以软硬件融合的产品体系为核心，逐步拓展移动互联网平台业务，最终形成机动车停车位资源共享综合服务体系，力争成为业界领先的泊位共享专家。

Pshare will set up a mobile internet platform of intelligent parking integrated with hardware and software, and will be the expert of parking share.

两项专利
Patents

Management Device for Intelligent Parking

Parking & Charging System for Electric Vehicles

四项软著
Software Copyrights

PSHARE Android Application Software for Pshare Intelligent Parking Lock

PSHARE-01Embedded Application Software for Pshare Intelligent Parking Lock

Management Server Program Software for Pshare Intelligent Parking Lock

PSHARE iOS Application Software for Pshare Intelligent Parking Lock

方案
Solutions

Charge Piles

PSHARE X 充电桩

简 介
Introduction

Pshare为充电桩运营公司、生产厂商提供量身定做的智能停车解决方案。

Pshare provides tailored parking solution for operational companies and manufacturers of charge piles.

优 点：充电停车，一键完成。

Advantge : 1 key to charge & park.

方 案
Solution

有线版：Pshare-01RU车位锁（含车辆检测功能）

Wire connection: Pshare-01RU Parking Lock(with car monitor function)

无线版：Pshare-01BU车位锁（含车辆检测功能）+BXB-02充电桩蓝牙模块

Wireless connection: Pshare-01BU Parking Lock(With car monitor function) + BXB - 02Embedded Bluetooth module

BXZ-01车载zigbee模块

智能网关

智能车位锁1............智能车位锁50

智能网关

智能车位锁1............智能车位锁50

智能网关

智能车位锁1............智能车位锁50

智能网关

智能车位锁1............智能车位锁50

分时租赁汽车
可任意停在不同运营网点

Time Share Lease
PSHARE X 分 时 租 赁

简 介
Introduction

Pshare为电动汽车分时租赁运营公司、生产厂商提供量身定做的智能停车解决方案。

Introduction: Pshare provides tailored parking solution for operational companies of time share lease and manufacturers of EVs.
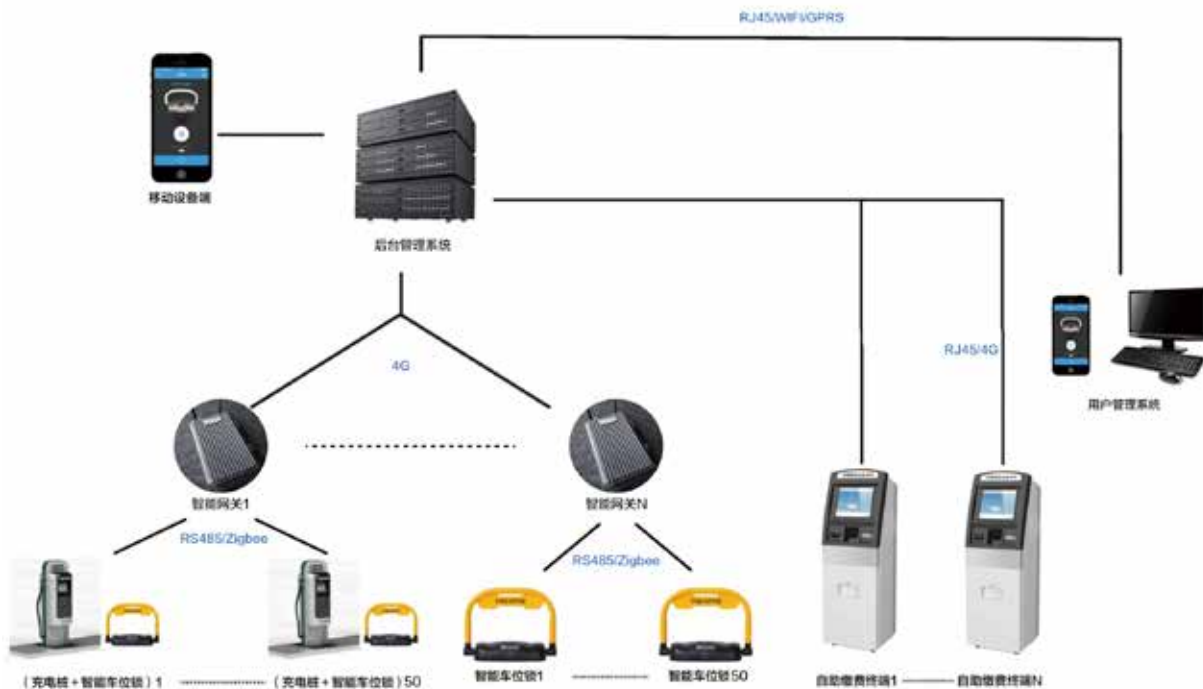
优 点：车来点一下锁自动降，车走锁自动升；为分时租赁运营提供大数据支持。

Advantge : 1 key to lower the parking lock when car comes and rise automatically when car left; Big data support for operation of time share lease.

方 案
Solution

Pshare-01ZU车位锁（含车辆检测功能）+BXZ-01车载Zigbee模块 + 网关Pshare-AP01

Pshare-01ZU Parking Lock(With car monitor function) +BXZ-01 Car Zigbee module + Gateway Pshare-AP01

簡 介
Introduction

Pshare为您的停车场提供量身定做的智能停车解决方案。

Pshare provides tailored intelligent parking solution for parking lots.

優 勢
Advantage

全程自助，无需人工干预。

All self-service without human intervention.

独一无二的用户体验，车位预订、导航、电子支付一条龙服务。

Unique user experience from parking lot booking, navigation to e-payment for parking fee.

VIP车位管理，给客户尊贵体验。

VIP parking lock management, Noble experience to customers.

多种缴费方式，方便用户缴费

Multiple payment methods, easy to pay parking fee.

给管理方带来的便利

Manager can monitor the real time operation status of parking lots anytime & anywhere.

方 案
Solution

硬件部分：自助缴费机+智能车位锁+智能网关+后台服务器

Self-service Fee Paying Machine + Intelligent Parking Lock + Intelligent Gateway + Backend Servern)

软件部分：手机APP+物联云平台+管理后台

Software: APP + IoT Cloud Platform + Management Backstage
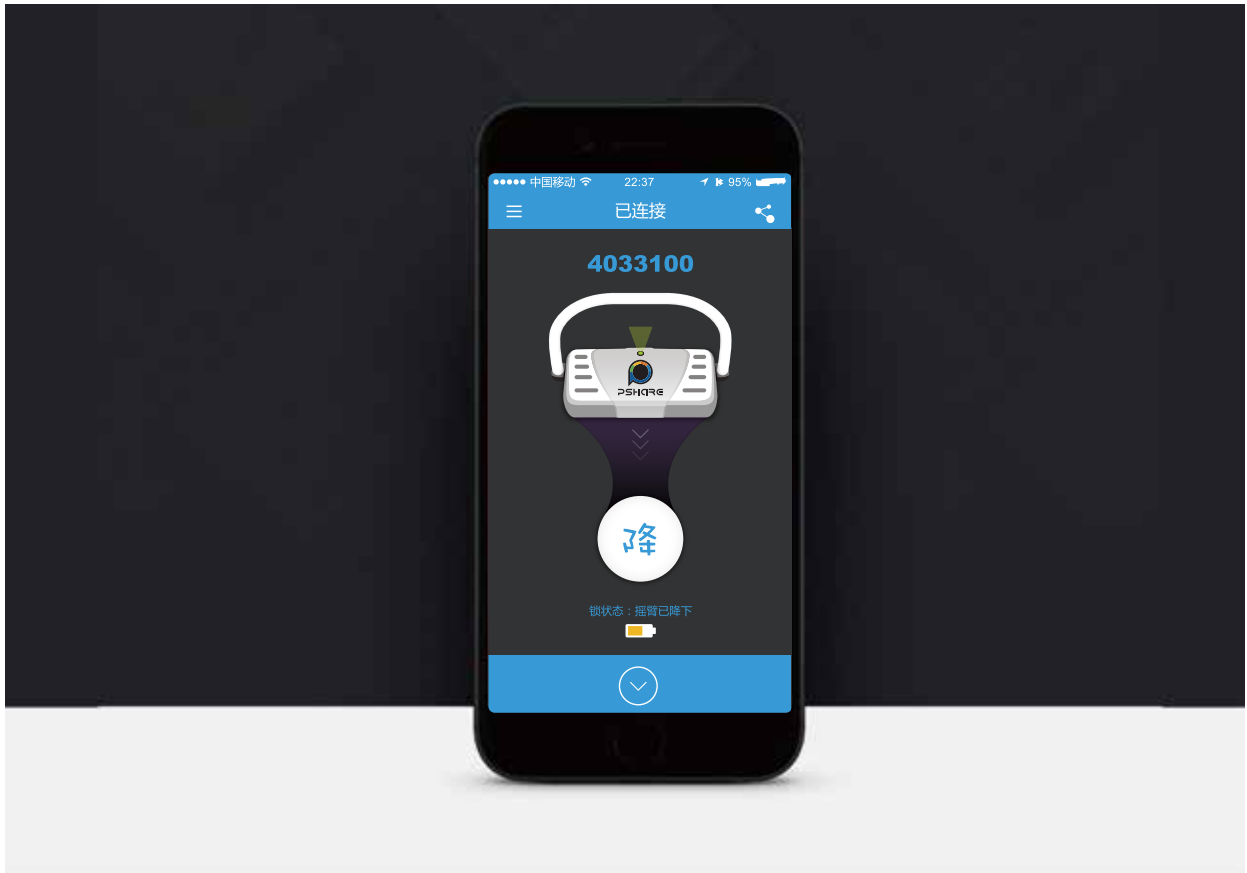
产品介绍
Product Introduction

1 PSHARE APP
车位锁控制端

一键停车，快速便捷。

一键分享，全家共用。

蓝牙连接，无网络情况下照常工作。

One key to park, fast & convenient

One key to share, shared by many people

Bluetooth connection, workable even without network

Bluetooth Parking Lock with Car Monitor Function

2 Pshare-01BU
带车辆检测功能的蓝牙车位锁

简 介
Introduction

　　Pshare-01BU是专为个人用户开发的带车辆检测功能的蓝牙车位锁，APP一键开锁，车走后锁自动升起。本着"泊位共享、错时停车"的理念，泊享人创造性地将低功耗蓝牙技术引入传统车位锁，并通过智能手机APP和物联云平台，构建出一个完整的智能停车系统。该智能停车系统是一个由"Pshare蓝牙车位锁 + 手机APP + 物联云平台"构成的停车位共享平台，可以实现车位预订、车位导航以及停车费的电子支付。

　　Pshare-01BU, Bluetooth parking lock with car monitor function, specifically developed for individual parking locks, by which people can fall it through APP; when the car on the parking lock left, it will rise up automatically. With thecon-cept of "Parking share; Cross-time Parking", Pshare developed an intelligent parking share platform , including "Pshare Bluetooth parking lock, APP & Cloud platform" , by which users can realize many functions such as parking lot booking, navigation, and E-payment for parking fee, and so on.

技术参数表
Technical Specification

产 品 属 性 Product Items		技 术 参 数 Technical parameters	
外 形 尺 寸	Dimensions	480MM*370MM*75MM	480MM*370MM*75MM
产 品 净 重	Net Weight	7KG	7KG
额 定 电 压	Rated Voltage	DC6V	DC6V
工 作 电 流	Working Current	≤1A	≤1A
待 机 电 流	Standby Current	≤1mA	≤1mA
待 机 时 间	Standby Time	6个月	6months
有效控制距离	Effective Control Distance	≥30M	≥30M
探 测 范 围	Ultrasonic Detection Range	1-40CM （从锁盖顶部算起）	1-40CM(From top of lock cover)
升降运行时间	Rise/Fall Running Time	≤5S	≤5S
使用环境温度	Environment Temperature	-30℃~70℃	-30℃~70℃
有 效 承 重 力	Effective Load	2000KG	2000KG
防 护 等 级	Protection Grade	IP67	IP67

订购事项
Order Note

1、可选配BXB-02充电桩/车载蓝牙模块，1个模块可带1个或多个蓝牙锁；

2、可选择供电方式：干电池、蓄电池或电源线供电；

3、可免费提供SDK包，也可根据客户需求定制开发APP及管理后台。

a. BXB-02, bluetooth module for charge piles/car, optional; 1 module can match 1 or more Pshare-01BUs;

b. Can choose power supply patterns: dry batteries, storage batteries and power supply line;

c. Provide SDK package free of charge; can develop tailored APP and management platform based on customer's requirements.

Specific Wire-connection
Parking Lock for Charge Piles

3 Pshare-01RU
充电桩专用有线车位锁

简 介
Introduction

　　Pshare-01RU是充电桩专用有线智能车位锁，带车辆检测功能。在挖沟布线方便的地方，我们可通过RS485将充电桩和车位锁相连，这样车位锁就成为充电桩的一个零部件，用户可通过充电桩APP直接控制车位锁，并且车离开后车位锁能自动检测，摇臂自动升起。

　　Pshare-01RU is an intelligent wire-connection parking lock with car monitor function, developed specifically for charge piles. In some places easy to ditch and route, we can connect the parking lock to the charge pile by RS485. If like this, the parking lock will be part of the charge pile, and customers can control the parking lock by Charge Pile APP. When the car on the parking lock left, it will rise up automatically.

技术参数表
Technical Specification

产 品 属 性 Product Items		技 术 参 数 Technical parameters	
外 形 尺 寸	Dimensions	480MM*370MM*75MM	480MM*370MM*75MM
产 品 净 重	Net Weight	7KG	7KG
额 定 电 压	Rated Voltage	DC7V~DC40V	DC7V~DC40V
工 作 电 流	Working Current	DC24V，<0.25A	DC24V，<0.25A
待 机 电 流	Standby Current	DC24V，<20mA	DC24V，<20mA
通 讯 方 式	Communication Mode	RS485/960BPS/8N1	RS485/960BPS/8N1
隔 离 方 式	Isolation Pattern	2500V光电隔离	2500VPhotoelectric Isolation
探 测 距 离	Ultrasonic Detection Range	1-40CM(从锁盖顶部算起)	1-40CM(From top of lock cover)
升降运行时间	Rise/Fall Running Time	≤5S	≤5S
使用环境温度	Environment Temperature	-30℃~70℃	-30℃~70℃
有 效 承 重 力	Effective Load	2000KG	2000KG
防 护 等 级	Protection Grade	IP67	IP67

Specific Parking Lock for Parking Lots

4 Pshare-01ZU
停车场专用有线车位锁

简 介
Introduction

Pshare-01ZU专为各大/中/小型停车场开发的智能车位锁，基于Zigbee通信。Pshare-01ZU必须和Pshare-AP01智能网关配套使用。所有车位锁24小时在线，可随时、随地远程遥控，含车辆检测功能，车离开后车位锁自动升起。

Pshare-01ZU is an intelligent parking lock specifically developed for big/medium/small parking lots. Pshare-01ZU only can work with Pshare-AP01 intelligent gateway, and it communicated with the gateway by Zigbee. All Pshare-01ZUs are always online, and can be controlled remotely anywhere, anytime. Pshare-01ZU has car monitor function: When the car left, it will rise up automatically.

技术参数表
Technical Specification

产 品 属 性 Product Items	技 术 参 数 Technical parameters
额 定 电 压 Rated Voltage	DC6V
工 作 电 流 Working Current	≤1A
待 机 电 流 Standby Current	≤1mA
待 机 时 间 Standby Time	6个月
升降运行时间 Rise/Fall Running Time	≤5S
使用环境温度 Environment Temperature	-30℃~70℃
有 效 承 重 力 Effective Load	2000KG
防 护 等 级 Protection Grade	IP67
探 测 范 围 Ultrasonic Detection Range	1-40CM(从锁盖顶部算起)(From top of lock cover)
频 率 范 围 Ad-hoc Frequency Range	2400MHz~2483.5MHz
RF 信 道 RF Channels	16
接 收 灵 敏 度 Receiving Sensitivity	-110dbm
发 射 功 率 Transmit Power	-13dbm~22.5dbm
网 络 拓 扑 Network Topolog	网状 Mesh
寻 址 方 式 Addressing Mode	IEEE802.15.4/ZIGBEE标准地址 Standard Address
最大传输速率 Maximum Transmission Speed	250Kbps

订购事项
Order Note

1、和Pshare-AP01智能网关一起使用；

2、车位锁采用多种供电方式：干电池、蓄电池或电源线供电；

3、可免费提供HTTP接口，也可根据客户需求量身定制APP及管理后台。

a. Work with Pshare-01AP intelligent gateway;

b. Support 3 power sources: dry batteries, storage batteries and power supply line;

c. Provide HTTP interface free of charge; can develop tailored APP and management platform based on customer's requirements.

Intelligent Gateway

5 Pshare-AP01
智能网关

简 介
Introduction

　　Pshare-AP01是专为停车场管理开发的智能网关，上行支持2G/3G/4G，下行支持Zigbee通信，具备控制枢纽及远程访问两大特色。一个网关可带多达50个Pshare-01ZU车位锁，可使车位锁处于24小时在线状态。通过它可以实现系统信息的采集、信息输入、信息输出、集中控制、远程控制等功能。

　　Pshare-AP01 is an intelligent gateway specifically developed for parking lots' management, who supports 2G/3G/4G upstream and Zigbee downstream. Pshare-AP01 can be control hub and remote access center. Pshare-AP01 can support up to 50 Pshare-01ZUs, and make them always online. Customers can realize many functions, such as information gathering, information input, information output, centralized control, remote control and so on.

技术参数表
Technical Specification

产 品 属 性 Product Items	技 术 参 数 Technical parameters
外 形 尺 寸 Diemensions	220MM*160MM*100MM
微 处 理 器 MCU	嵌入式32位CPU，72MHz Embedded 32 bit CPU
移 动 网 络 支 持 频 段 Support Frequency	FDD-LTE B1/B3/B7/B8/B20 TDD-LTE B38/B40
移 动 网 络 最大通讯速率 Maximum Communication Speed	LTE/Uplink to 50Mbps Downlink up to 100Mbps
自组网频率范围 Ad-hoc Frequency Range	2400MHz~2483.5MHz
RF 信 道 RF Channels	16
接 收 灵 敏 度 Receiving Sensitivity	-110dbm
发 射 功 率 Transmit Power	-13dbm~22.5dbm
网 络 拓 扑 Network Topology	网状 Mesh
寻 址 方 式 Addressing Pattern	IEEE802.15.4/ZIGBEE标准地址 Standard Address
网 络 容 量 Network Capacity	最大255个节点 maximum 255 nodes
最大传输速率 Maximum Transmission Speed	250Kbps
电 源 参 数 Power Parameters	85~264VAC/120~370VDC
功 耗 Power Consumption	2.5W
工 作 温 度 Working Temperature	-20~60℃
配 套 UPS UPS Matching UPS	500VA/300W
防 护 等 级 Protection Grade	IP67

订购事项
Order Note

1、和Pshare-01ZU智能车位锁一起使用；

2、可根据客户需求量身定制软件。

a. Work with Pshare-01ZU parking locks;

b. Can develop tailored software based on customers' requirements.

PSHARE