



## Smart Solar Parcel Locker

A smart device that combines solar power technology and IOT technology. The solar power system is added on the ordinary smart parcel locker. The locker is environmentally friendly and energy-efficient, which is applicable for the areas where power supply is unstable or remote areas.

### Business Challenges



#### Harsh installation condition

Stable city power required



#### High operating cost

High electricity consumption cost



#### High maintenance cost

Frequent manual routine inspections and power supplement required

### “ Solution ”

Zhilai has launched the innovative smart solar parcel locker to resolve the issues of dependence on power grid and limited deployment of conventional device by green energy. The device integrates efficient solar board, energy storage system, and smart energy management module to realize independent power supply and off-grid deployment in the remote area without power grid, or outdoor applications. While external power supply consumption and carbon emission are reduced, the low-power operation and remote maintenance of the locker further reduce the comprehensive cost, facilitate enterprises to extend business in mountain areas and countryside, and establish the low-carbon resilient “Last mile” service ecology.

### Product Features

|  |   |  |   |
|--|---|--|---|
|  | High-conversion solar board                     |  | Superior UPS                                      |
|  | All-weather adaptability                        |  | Green, environmentally friendly, energy-efficient |
|  | Smart reasonable energy management              |  | Remote monitoring and operation management        |
|  | 7*24 self-service parcel storage/pickup         |  | Multiple identity recognition methods             |
|  | Multiple locker model and configuration options |  | Anti-corrosion, rust-proof, anti-theft, pry-proof |
|  | Locker lifetime: over 10 years                  |  | Lock test: over 100,000 cycles                    |

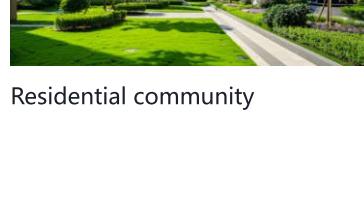
### Product Specification

|                                       |   |
|---------------------------------------|---|
| <b>Starter dimension (L*D *H):</b>    | 985*620*2012mm  |
| <b>Adder dimension (L*D *H):</b>      | 985*620*2012mm  |
| <b>Starter:</b>                       | 10 compartments   |
| <b>Adder:</b>                         | 28 compartments   |
| <b>Compartment dimension (L*D*H):</b> | S compartment: 405*597*115mm<br>M compartment: 405*597*250mm<br>L compartment: 4405*597*385mm |
| <b>Locker material:</b>               | Cold-rolled steel sheet   |
| <b>Locker thickness:</b>              | 1.0mm (locker frame), 1.5mm (locker door)   |
| <b>Other configurations:</b>          | Temperature and humidity sensor, touch screen, solar panel, MPPT controller, etc.             |

### Application Scenarios



Office building

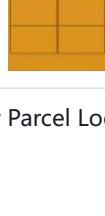


Residential community



Factory

### Cooperation Cases



Smart Solar Parcel Locker

Product Customization, Quality Assurance

Customized appearance and functions

+86 755 86021660

info@zhilai.com

Room 3705-3709, F37, Building 4, Phase II, Tian'an Cloud Valley, No. 2018, Xuegang Road North, Bantian Street, Longgang District, Shenzhen