



Solar Parcel Locker [Android]

A premium solar-powered smart parcel locker featuring an advanced Android operating system and a large HD touchscreen for an intuitive and seamless user experience.



Business Challenges of Solar Parcel Locker [Android]



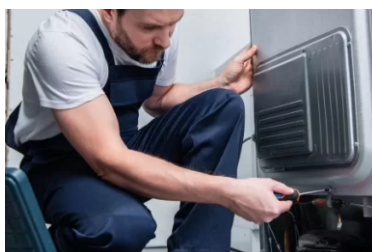
Harsh Installation Condition

Stable city power required



High Operating Cost

High electricity consumption cost



High Maintenance Cost

High Maintenance Cost
Frequent manual routine inspections and power supplement required.

“ Solution ”

The D3 is a premium solar-powered smart parcel locker featuring an advanced Android operating system and a large HD touchscreen for an intuitive and seamless user experience. Supporting multimedia displays, remote management, and flexible service expansion, it delivers smarter delivery solutions. With efficient solar power generation and intelligent energy management, the parcel locker ensures reliable off-grid operation, making it ideal for outdoor locations requiring enhanced functionality and user interaction.

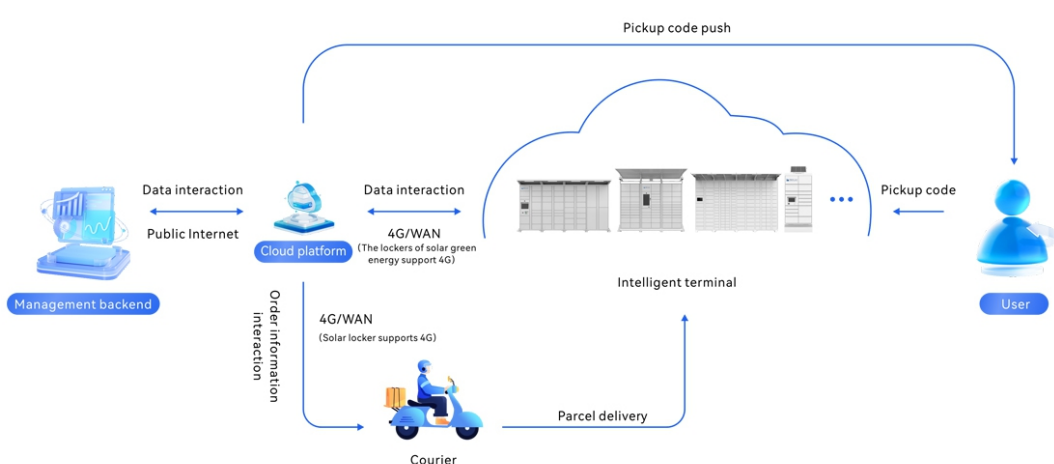
Key Features of Solar Parcel Locker [Android]

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

Specification of Solar Parcel Locker [Android]

Model	ZL-PL-A31-A-000130
Starter dimension	960mm(W) *2013.5mm(H) *600mm(D)
Number of compartments (starter)	15 (excluding control compartment)
Operating system	Android 11 (2GB RAM, ARM architecture IPC)
Screen	10.1" capacitive touch screen
Material	Locker door: 1.5mm galvanized sheet; Locker frame: 1.0mm galvanized sheet
Grid power	110V-230V
Grid outage duration	Individual battery standby time: 5 days(100% charge, no grid power, no sunlight, 1 battery pack per unit)
Power supply method	Powered by grid power/battery pack/solar energy
Operating temperature	-20°C - 60°C
Operating humidity	10%~85% RH, non-condensing
Operating voltage	24V
Standby power consumption	2.06W
Weight	191 kg
Battery pack	24V/16Ah/lithium iron phosphate battery/rechargeable
Solar panel	24V system/90W
Wind resistance	Passed level 12 test

System Architecture



Application Scenarios of Solar Parcel Locker [Android]



Suburbs



Town



Beach

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