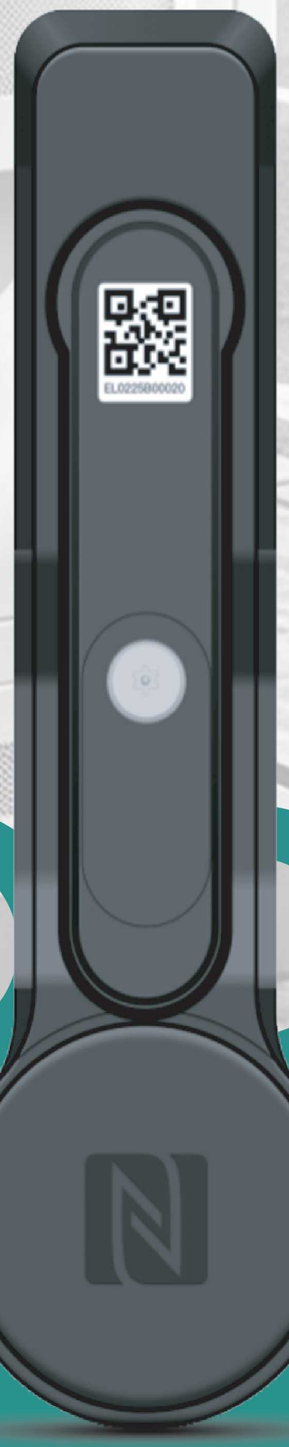
MakeID

NFC Surface-Mount Cabinet Lock Brochure



SMART LOCK

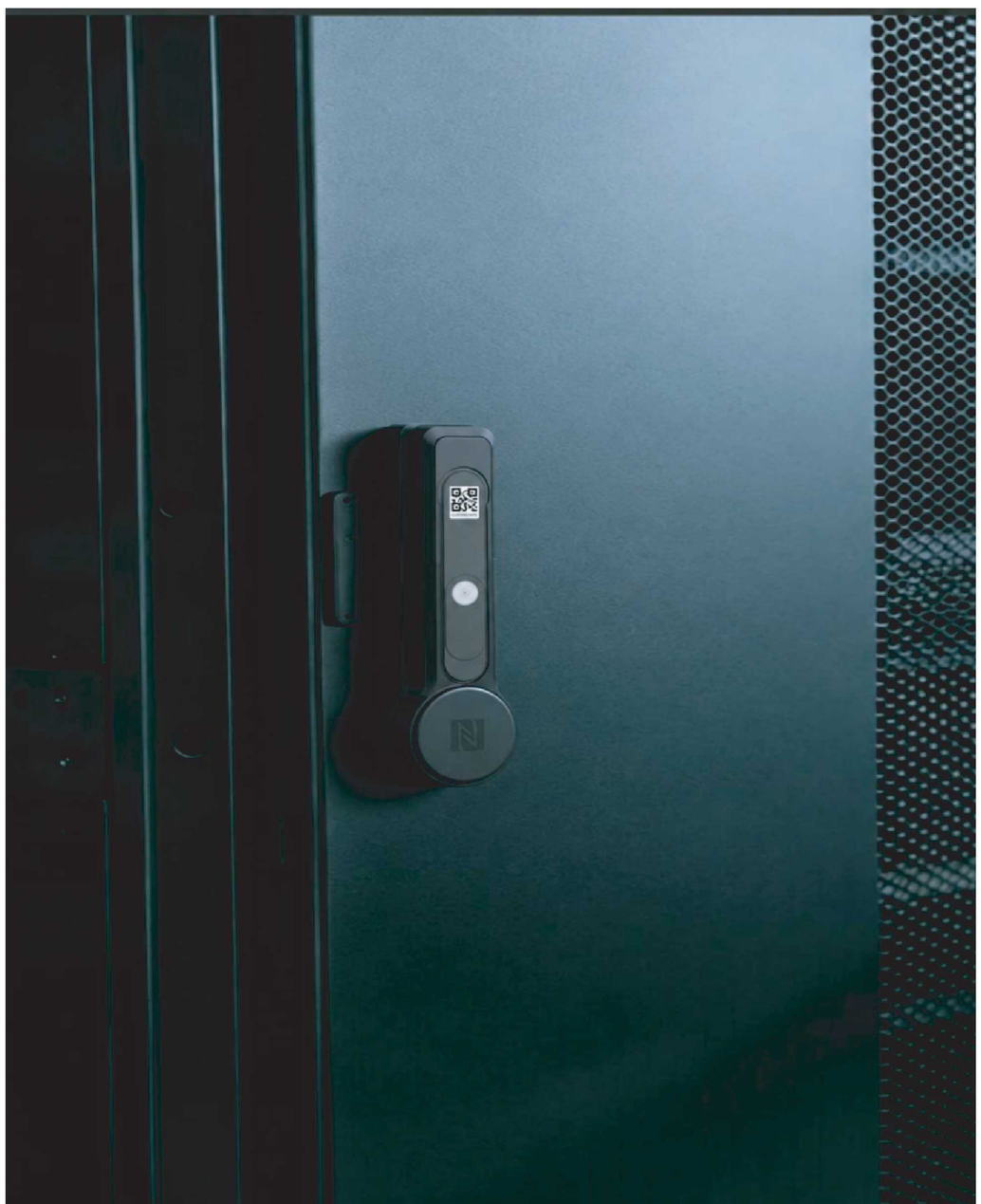
Chongqing Pinsheng Technology Co., Ltd.

Product Overview

PSY30-N10 integrates low-power IoT technology.It supports one-click unlocking, remote authorization, operation traceability.It can effectively addressing the limitations of traditional mechanical locks-such as difficult key management, ambiguous authorization, and lack of traceability-thereby ensuring the safe and reliable operation of facilities.

Application Scenario

Widely used for Integrated Cabinet, Power Distribution Cabinets(PDC), Electrical Equipment Cabinet



Integrated Cabinet

Electrical Equipment Cabinet

Key Features

Multiple Unlock Method
Use NFC module in smart phone to lock&unlock; one key supports multiple lock types.

Battery-free, Maintenance-Free Design
No wiring or battery replacement needed, minimizing maintenan cecosts.

Durability& Reliability
High protection rating: IP65 dust-tight and waterproof, ensuring stable operation outdoors even in rain.

Offline Authorization
Access credentials are securely stored in the key, allowing operation without network connectivity

Comprehensive Traceability
All lock and unlock events are recorded on app&pc software for real-time tracking.

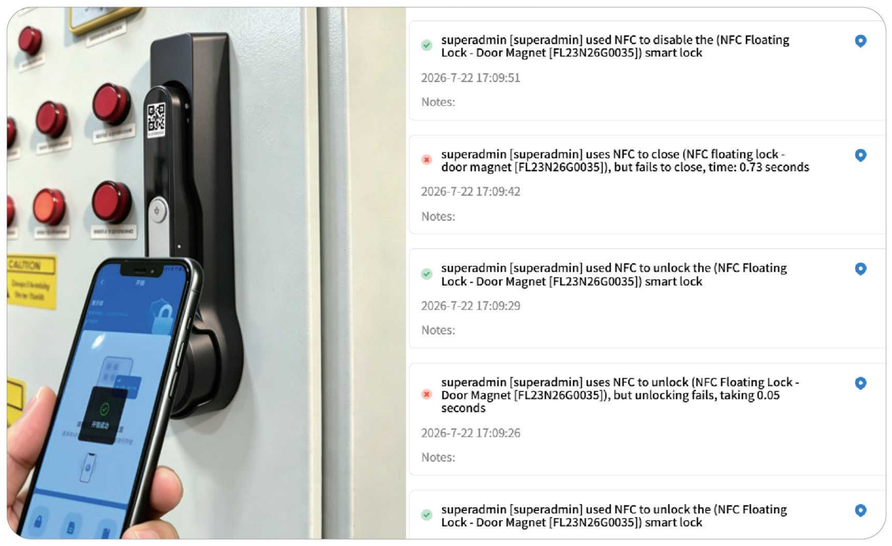
Secure Authorization
Digital encryption prevents unauthorized access and duplication, role-based permissions reduce the risk of incorrect operations.

Practical Value

The lock management platform works in conjunction with smart locks to enable full process traceability. Together, these capabilities enhance the standardization and safety of industrial facility control, effectively reducing both labor and maintenance costs.

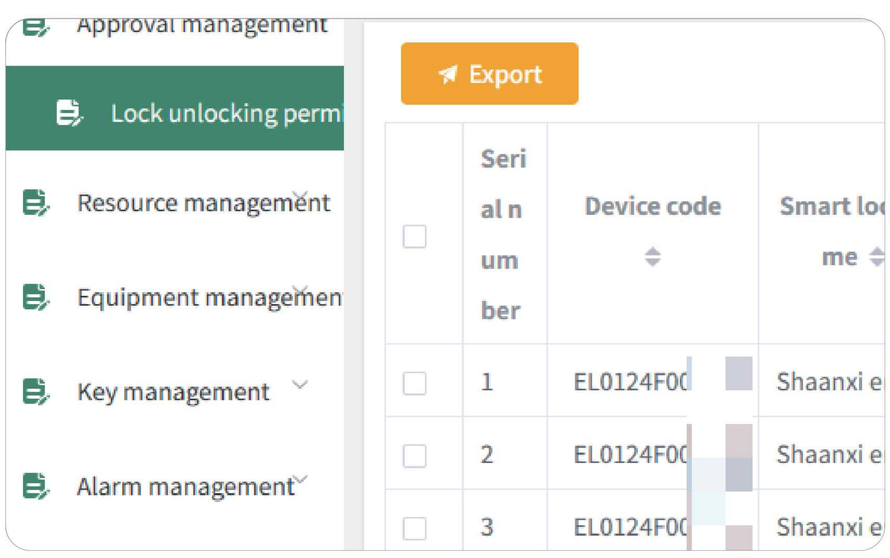
Visual Mapping

A GIS-based interactive map displays real-time lock locations with one-click navigation, significantly reducing travel time.



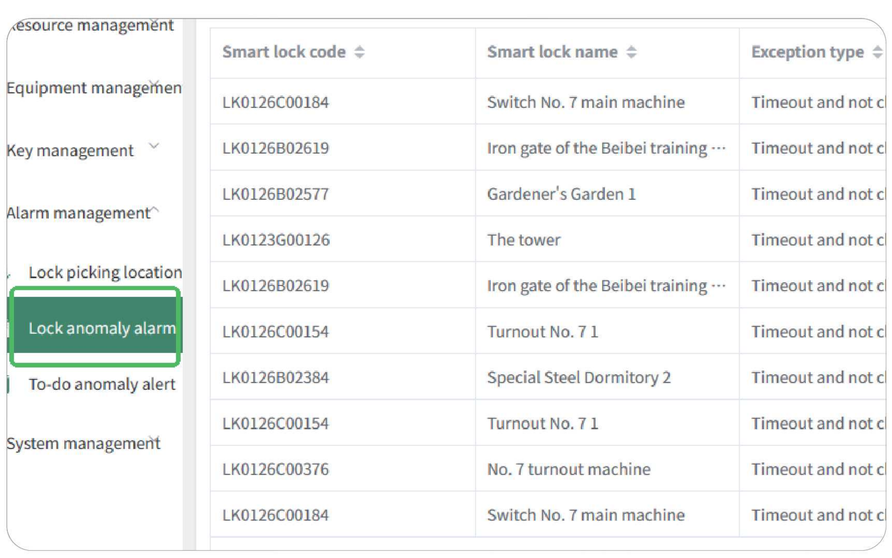
Operation Log Traceability

Automatic logging of personnel, timestamps, and access points ensures clear accountability.



Access Permission Management

Multiple flexible authorization modes are supported, including process-based unlocking, temporary unlocking, and time-scheduled unlocking.



Smart Alerts

Instant notifications are sent via APP, platform pop-ups, SMS, and other channels upon detection of any abnormal conditions.

Product Specifications

Parameter	Specification
NFC Smart Floating Lock	
Model	PSY30-N10
Type	Floating-mount
Dimensions	Overall: 204×61×46 mm; Lock Shaft: Width 9.8 mm, Length 24 mm
Housing Material	Zinc Alloy
Color	Black
Communication Method	NFC wireless communication
Unlocking Method	NFC tap-to-unlock， proximity distance ⩽ 1 cm
Unlocking Time	2-5 s (depending on mobile device)
Power Supply	NFC Reverse Charging, battery-free
Communication Security	AES128 Encryption/Decryption
Protection Rating	IP65
Operating Environment	-20°C ~ +70°C, 10%–95% RH（with condensation）
Storage Environment	-40°C to +70°C,10-95% RH (with condensing)
Anti-Tamper	Operates normally under a constant magnetic field of up to 0.5T; withstands impact from a 1kg hammer dropped from 1m height without functional impairment Flame Retardancy:Non-metallic parts meet the VO flame retardancy level
NFC Smart Key	
Model	ZKV30-N10
Dimensions	65*53*21mm
Housing Materia	Zinc Alloy + PC
Communication Method	Bluetooth, USB interface
Unlocking Method	Touch-based unlocking
Unlocking Time	⩽3s (NFC mode)
Power Supply	450mAh Rechargeable Lithium Battery
Charging Time	Type-C Charging, <3 hours
Battery Life	Supports ⩾500 unlock operation when fully charged
Storage Capacity	⩾100 user credentials; ＞1000 operation logs
Authorization Methods	Offline(via phone APP or USB cable) real-time authorization(via Bluetooth)
Flammability Rating	Non-metallic parts comply with V-0 (GB/T 2408-2021)

Unlock the Full Value of Every Asset

Chongqing Pinsheng Technology Co., Ltd.

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