

Battery-Free Electronic Lock Cylinder

This battery-free electronic lock cylinder offers a secure access control solution. The durable construction and energy harvesting mechanism ensure continuous operation without battery maintenance.



ADDITIONAL IMAGES



Product Overview



A high-security intelligent lock system featuring information task management and battery-free operation.

Advanced Key-Centric Access Control

This battery-free electronic lock cylinder provides a high-security alternative to traditional mechanical locks by utilizing energy-harvesting technology. The system eliminates the need for internal batteries or external wiring, ensuring continuous operation and zero maintenance across all environments. Each lock features two-way identity authentication to prevent unauthorized access and can be seamlessly integrated into a managed access control system.

Key Performance Metrics

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10 Years

Service Life

68 IP

Protection Rating

-40 °C

Min Temperature

70 °C

Max Temperature

Technical Specifications

Materials & Construction

Component	Material Options
Lock Case	Stainless Steel, Zinc Alloy, or Hb59-1 Copper
Rotatable Lamella	Steel or Iron
Surface Treatment	Chrome Plate, Nickeling, or Stainless Steel Natural Color Drawing

Environmental & Durability

Ingress Protection

IP68 • Dust-proof • Water-resistant

Operating Humidity Range

20% to 97%

System Features

Core Benefits

- Battery-free operation via energy harvesting
- No external wiring required
- Zero maintenance design
- Two-way identity authentication
- Information task management functions
- Audit trail recording of unlocking events

Compliance & Applications

Typical Applications

- Transportation management
- Cabinet and drawer security
- Padlocks and cable locks
- Commercial and institutional doors
- Remote or high-traffic areas

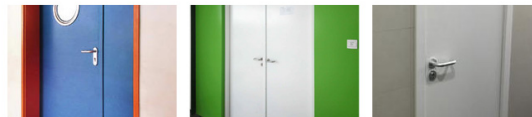
Relevant Certifications

CE, ROHS

Installation

Applications Scenarios

Intelligent passive electronic lock cylinder could replace most mechanical lock in the market.



The intelligent passive cylinder is designed to replace most standard mechanical locks on the market.

Installation Method

Portable replacement: whole size replaces the original mechanical lock cylinder