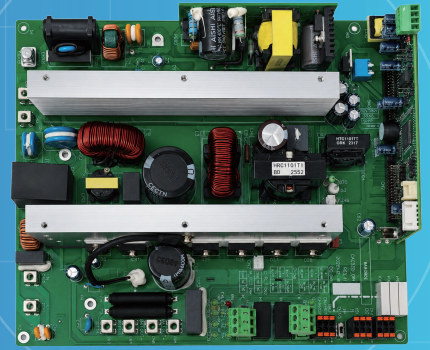


ARD-D048

Elevator Emergency Rescue Board

The ARD-D048 Elevator Emergency Rescue Board is designed to provide safe and reliable emergency evacuation during power failures or abnormal power supply conditions. When a power grid outage is detected, the ARD-D048 automatically switches to emergency power mode, driving the elevator to the nearest floor and opening the doors to safely evacuate passengers. Featuring a compact design, the ARD-D048 integrates seamlessly with INVT elevator drive and control systems, enabling convenient installation inside the elevator control cabinet.



DC 48V

AC 220V

RS485

SOC + BMS

01 Function Features



Fast Emergency Rescue, Safe and Reliable

Automatically detects power grid failure and switches to emergency operation within milliseconds, ensuring fast and safe passenger evacuation.



Dual Power Supply, Flexible Configuration

Supports both DC 48 V battery power and AC 220 V auxiliary power, meeting various emergency power requirements while providing full compatibility with INVT elevator systems.



Constant Voltage Output

Digital constant-voltage control maximizes battery capacity utilization and delivers stable output voltage throughout the rescue process, ensuring smooth elevator operation.



Modular Design, Easy Maintenance

Modular architecture with hierarchical fault diagnostics simplifies maintenance and reduces after-sales service costs.



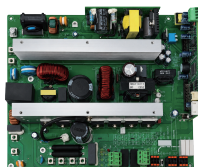
Intelligent Battery Management

Supports SOC (State of Charge) calibration and BMS (Battery Management System) monitoring, providing intelligent battery protection and extending battery service life.

SAFE · RELIABLE · EFFICIENT

**Integrated installation
inside the control cabinet**

02 Appearance and Dimension



Model	W (mm)	H (mm)	D (mm)	Mounting Hole Diameter (mm)
ARD-D048	240	200	66	φ6

03 Technical Specifications

Item	Specification
Power Input	3PH AC 380V
Battery Voltage	DC 42V-57.6V
Auxiliary Output	AC 220V
Rescue Mode	Automatically travels to the nearest floor and opens the doors
Communication	RS485
Battery Management	Supports SOC calibration and BMS monitoring
Voltage Control	Digital constant-voltage output
Compatible Batteries	VFD ≤15 kW: 4 × DC 12 V 7 Ah batteries VFD 18.5–30 kW: 4 × DC 12 V 9 Ah batteries
Installation	Installed inside the elevator control cabinet

04 Wiring Diagram

