



Military-Grade Reliability UPS Outdoor Cabinet – 24VDC 1KVA Mission-Critical Power Solution

Our Product Introduction

for more products please visit us on power-cabinets.com

Basic Information

- Place of Origin: CHINA
- Brand Name: Daxin
- Certification: /
- Model Number: ODC-7058351K-24V
- Minimum Order Quantity: 1 Set
- Packaging Details: Woodcase/ Paper box
- Delivery Time: 25-35 days
- Payment Terms: T/T
- Supply Ability: 8000pcs/month



Product Specification

- Install Method: Pole/Wall Mount
- Material: Galvanized Steel/ Stainless Steel
- Customized Service: Yes
- UPS Capacity: 1KVA/800W
- DC Input: 24V
- Highlight: 24VDC Outdoor Power Cabinet,
Military-Grade Outdoor Power Cabinet,
Mission-Critical Outdoor Power Cabinet



More Images



Product Description

Military-Grade Reliability UPS Outdoor Cabinet – 24VDC 1KVA Mission-Critical Power Solution

Engineering Excellence

The AAM1K-24V Industrial UPS Outdoor Cabinet delivers 1KVA/800W of continuous power with military-grade components designed for 24/7 operation in extreme environments.

Key Technical Advantages

Battery Optimization

Reduces discharge cycles by 30% compared to conventional systems, extending battery lifespan.

Military-Grade Reliability

DSP-controlled power regulation maintains <3% output voltage deviation under dynamic loads.

Future-Ready Architecture

Hot-swappable expansion slots for IoT/Industry 4.0 integrations.

Advanced Power Architecture

Dual-stage conversion system:

AC/DC: 92% efficiency with harmonic distortion <5%

DC/AC: Pure sine wave (<3% THD)

Dynamic load handling:

150% overload for 30 seconds

200% surge capacity for 500ms

Battery Subsystem

24V DC battery configuration:

Supports 2x12V (series) or 4x6V configurations

Automatic cell balancing

Smart charging profiles:

LiFePO4: CC/CV with 0.5% voltage accuracy

Lead-acid: Temperature-compensated 3-stage

Environmental Hardening

Operational extremes:

-40°C cold start capability

+70°C thermal shutdown

Vibration resistance:

5-500Hz, 5Grms per IEC 60068-2-64

Monitoring & Intelligence

Predictive analytics:

Capacitor wear monitoring

Fan life estimation

Cybersecurity:

TLS 1.2 encrypted communications

Role-based access control

Deployment Features

Modular expansion:

Parallel capability for N+1 redundancy

Hot-swap power modules

Conduit-ready:

6x 3/4" NPT threaded entries

Dual-compartment design (power/electronics)

Compliance Matrix

Safety: UL 1778, EN 62040-1

EMC: EN 61000-6-2/4

Transport: ISTA 3A

Product Images:



About SZDXZH:

Shenzhen Daxin Intelligent Equipment Technology Co., Ltd

The Guangzhou production base is located in Conghua District, Guangzhou, and has environmental protection qualifications for sheet metal production.



Shenzhen Daxin Intelligent Equipment Technology Co., Ltd



Shenzhen R&D Center



Guangzhou Factory

- Shenzhen Daxin Smart Equipment Technology Co., Ltd. was established in 2019, with its headquarters in Shenzhen and its production base in Conghua. The company is the chairman unit of the Guangzhou Sheet Metal Processing Industry Association.
- We purchased a 500-square-meter R&D office building in Shenzhen; we own 150,000 square meters of industrial land in Conghua and 120,000 square meters of self-built factories. We plan to build another 25,000 square meters within three years. Our current production-related fixed assets are nearly 100 million yuan, and our sheet metal production has environmental protection qualifications.
- An end-to-end supply system integrating R&D design, production, sales, transportation and after-sales service. ODM is mainly for customer-oriented or non-standard design.
- Representative customers: Vertiv Technologies (Ericsson, Nokia, etc.), AUTSUN, Invic, Sunsea Intelligent, Cosin Technology, Kangguan Medical, Kaili Medical, Mindray Medical, Medcaptain Medical, China Post, China Tower, star-rated hotels, government agencies, schools and other chain catering customer groups.



Shenzhen Daxin Intelligent Equipment Technology Co., Ltd



+86 15817363697



lubenzhi@szdxzh.com



power-cabinets.com

Green Base Industrial Park, Longtian Street, Pingshan District, Shenzhen