Indoor Communication Power Supply Cabinet For Floor Installation -40°C To 55°C

Our Product Introduction

Basic Information

- Place of Origin: shenzhen
- Brand Name: daxin
- Certification: CE,UL
- Model Number: DX-C-1k20AH
- Minimum Order Quantity: 10
- Packaging Details: Wooden pallet+cardboard box
- Payment Terms: L/C,T/T
- Supply Ability: 10000pcs/month

Product Specification

- Surface: Powder Coating
- Internal Dimension: 19inch Rack Mounted
- Applications: Base Station,data Center
- Capacity: 48V/10A~600A
- Door: Mesh Door
- Temperature Range: -40°C To 55°C
- Cabinet Design: Customized
- IP Level: IP25
- Name: Indoor Communication Power Supply Cabinet

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Product Overview

Our indoor power supply cabinet provides reliable electrical power distribution for critical equipment in buildings and facilities. Designed for telecommunications and data center applications, this system ensures continuous operation with robust power management capabilities.

Key Components

Main Power Supply: Connects to building's electrical grid with transformers for voltage regulation

Rectifiers & DC Power: Converts AC to DC for specialized equipment requirements

Distribution Panels: Safely routes power with integrated circuit breakers

UPS System: Battery backup with inverter technology for uninterrupted operation

Power Management: Real-time monitoring and optimization of power usage

Surge Protection: Safeguards against voltage spikes and electrical disturbances

System Advantages

High reliability for continuous operation of critical systems

Scalable design to accommodate growing power demands

Energy efficient operation with modern power management

Full compliance with electrical safety standards

Customizable configuration options

Rugged construction for industrial environments

Product Images

Main equipment for cabinet processing (Three main equipment)

Laser	TRUMATIC500- Fully Automatic	TRUMATIC500- Fully Automatic Japan AMADA - Fully Automatic
➤ 1500W: 1tower ➤ 3000W: 2tower	➤ Fast data punching: 4 units with automatic loading and unloading	➤ Japan AMADA: 7 units with automatic loading and unloading ➤ Model: EM-2510NT/AC-2510NT

Key process - general punching, bending, and riveting workshop

➤ Japan AMADA: 25 units
➤ Model: RG-35S

➤ TOX riveting machine: 24 units

➤ Puchong: 5 units (160T+250T+300T)

Key Process - Copper and Aluminum Product Workshop (Integrated Cutting and Punching Machine)

➤ Copper bar integrated machine: 2 units
➤ Model: LID-30
➤ Features: high-precision automatic cutting and punching

Key Process - Welding Workshop

Fully automatic, 360 degree rotating welding line features: Welding accuracy: Welding displacement less than 1.5 mm, welding flip angle less than 0.1 degrees. Welding software: Our self-developed welding control software v1.3 version can store up to 128 welding programs. Scan the product code to initiate the welding program, automatically switch between dual platforms, seamlessly connect, and achieve uninterrupted welding. Welding dimensions: Product height 2.8 meters, width 1.5 meters. Welding capacity: 11 fully automatic welding robots and 47 welders. Monthly output of 20000 to 25000 cabinets.

Key Process - Polishing Workshop

- Automatic polishing machine: 2 units, equipment can be increased according to product demand.
- Manual polishing stations: 15, with manpower allocated according to the product structure.

Key process - Metal parts electroplating workshop (automated assembly line)

Central Conveyor Platform

Integrate hanging, automatic production line, tunnel oven, and packaging into a whole assembly line to reduce the intermediate loading and unloading process and d...

Remote control platform

Enables remote monitoring and control, and schedules real-time production

Pre processing procedure

With a total length of 35 meters, it can simultaneously address each issue point of various aluminum alloy products.

Copper plating production process

Set up 13 copper plating tanks to simultaneously electroplate 65 units of products. Each set of 5 units is equipped with an independent 1500A 48V communication rectifier.

Tin plating production process

Use tin plating with methyl sulfonic acid, replacing the previous sulfuric acid-based plating process.

Fully automatic conversion vehicle

Perfectly connect three fully automated production lines into an automated production platform

X-ray thickness measurement equipment

Fischer film thickness gauge imported from Germany.

tin-plating | tin-plating | tin-plating | tin-plating
nickel plating | silver-plated | chrome plating | tin-plating

Key process - Spray painting workshop (3 main lines+1 auxiliary line/small batch)

Reciprocating machine (automatic powder spraying)

Automatic Line 1

Automatic Line 2

Automatic Line 3

Characteristics of Spray Line:

- Characteristics of Spray Line: The system monitors the furnace temperature in real-time, and when the oven temperature does not meet the standard The system monitors the furnace temperature in real-time, and when the oven temperature does not meet the standard
- Automatic spraying: Reciprocating machine automatic spraying ensures uniform thickness and aesthetic appearance of the coating.
- Equipment resources: 3 main lines+1 auxiliary line, which can simultaneously meet the needs of different colors;
- Daily production capacity: 15,000 to 20,000 square meters per day

Key Process - Product Assembly Workshop

Large cabinet assembly line

Small cabinet with assembly line

IPX6 Spray Water Testing System

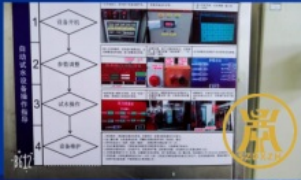Small chassis wiring assembly line

Outdoor cabinet product assembly line

High voltage product assembly line

Key process - outdoor cabinet waterproof testing assembly line

■ Pipeline standard: IPX1-IPX5 waterproof rating, which can be adjusted and matched according to product requirements.

Trial water process diagram   Test water

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