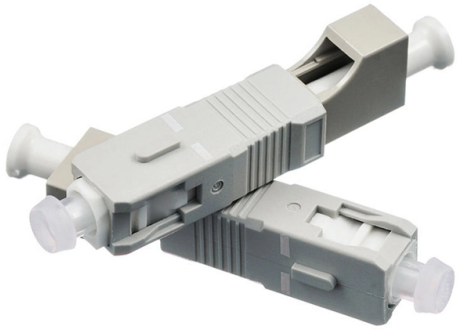
Specifications for Thai AC DC Integrated UPS Power Supply



Overview

Our customers includes leading Power & Distribution Transformer manufacturers, Motor manufacturers, Switchgear manufacturers, and electricity authorities in Thailand and neighbouring countries.

Key Takeaways

Thai AC/DC integrated UPS systems provide reliable backup power with wide input ranges, battery integration, and redundancy options for industrial and commercial applications.

Key Features

Input and Output VoltageAC input typically ranges from 88–264V, while DC input can range from 124–370V depending on the model (e.g., Mean Well AD-155A).

A

C output is usually a pure sine wave, suitable for sensitive electronics, with wide voltage and frequency tolerance to accommodate generator or grid fluctuations.

Power Ratings

Small to medium capacity UPS units range from 1 kVA to 40 kVA for commercial or industrial use, while larger industrial-grade systems can reach up to 1000 kVA. Single-output models like the Mean Well AD-155A provide 151. 55W with output currents of 10.

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5A for the main channel and 0. 5A for the battery charger channel.

Battery Integration

Integrated UP

S systems include built-in battery chargers and support maintenance-free batteries or buffer modules for short-term power bridging. Battery connections are typically isolated via MCBs and linked between the inverter input and rectifier/charger output to ensure uninterrupted power during AC input failure.

Redundancy and Reliability

Many systems feature 1+1 parallel redundancy or N+X configurations for high availability. Isolated transformers and advanced DSP control provide voltage surge suppression, load protection, and anti-interference capabilities.

Operational Features

True double-conversion online UPS ensures continuous power conditioning and protection against voltage drops, surges, and frequency variations. AC/DC integrated UPS units are designed for industrial, commercial, and data center applications, offering modular expansion, monitoring, and control systems. Some models include DSP-controlled rectifiers, inverters, static bypass, and maintenance bypass circuits for seamless operation during maintenance or faults.

Applications

Suitable for critical electronic equipment, industrial machinery, data centers, and modular power solutions where uninterrupted AC or DC power is required.

Warranty and Support

Typical warranty periods range from 1 year, with conditions covering manufacturing defects but excluding user-induced damage. These specifications make Thai AC/DC integrated UPS systems highly reliable for environments requiring continuous, conditioned power with flexible deployment options and robust protection for sensitive loads.

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MeanWell AD-155A specifications: AC-DC Enclosed

Single output Switching Power Supply Unit (PSU) with Battery Charger (UPS

Who supplies ups, power supply in Thailand? Manufacturers and

Our customers includes leading Power & Distribution Transformer manufacturers, Motor manufacturers, Switchgear manufacturers, and electricity authorities in Thailand and neighbouring countries.

UPS-Uninterruptible Power Supplies

An uninterruptible power supply (UPS) is an innovative, powerful device that protects electronics, machinery, and processes likely to cause serious issues and costly attention if they lose power.

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UPS Technical Specifications Document | PDF | Power Inverter

The document provides a technical specification for an uninterruptible power supply (UPS) system. It describes the key components of the UPS including the rectifier, battery charger, inverter, battery,

Technical Specification for Uninterrupted Power Supply (UPS)

In this article, we will learn the technical specification for an uninterrupted power supply (UPS) electrical system used in industries.

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