

Industrial Uninterruptible Power Supply Systems Selection Guide

TECHNOLOGY SELECTION GUIDANCE WITH COMPREHENSIVE EVALUATION CRITERIA

NEED FOR CLEAN, RELIABLE POWER BOOSTS ADOPTION

This guide will help industrial companies select the best industrial uninterruptible power supply (UPS) systems based on their requirements to protect industrial assets and processes from power failure.

To automate the control of various industrial processes, many companies deploy increasingly sensitive equipment in warehouses, control rooms, and production lines on the plant floor. When deploying IT networking gear and servers in industrial environments; a clean, stable, and secure power supply that ensures continuous operation becomes a critical requirement. An UPS can protect systems from damaging power problems and can provide “ride-through” capability until generator power becomes available or line power is restored.

Sensitive electronic systems and devices operating on the plant floor such as DCSs, safety systems, SCADA systems, PLCs, robotics, Ethernet switches, and industrial computers all rely on a foundation of regulated, nonstop AC or DC power. Industrial UPSs play a huge role in helping industrial organizations achieve high availability and productivity by providing appropriate power protection.

Industrial UPS adoption has shown decent growth in the past few years due to the need for improved power quality, growth in infrastructure and smart grids, and increases in the number of machine-critical applications across various industries.

For more information, please visit us at www.arcweb.com/technology-evaluation-and-selection

STRATEGIC ISSUES

As with any mission-critical technology, it is key for industrial organizations to make informed, fact-based supplier and technology selection decisions for industrial UPSs based on their specific applications and requirements. This ARC selection guide explores user objectives, application scope, selection criteria, and helps answer key questions, such as:

- Who are the key industrial UPS suppliers?
- Which suppliers have success in your industry?
- What are the most common selection criteria for industrial UPS systems?
- What are the new technology trends and how does the Industrial Internet of Things (IIoT) impact the industrial UPS market and selection process?

GUIDE CONTENTS

EXECUTIVE SUMMARY

Major Trends
Industry, Regional, OEM Trends

INDUSTRIAL UPS ADOPTION STRATEGIES

Strategies for Successful Adoption
Factors Contributing to Adoption
Factors Inhibiting Adoption

SCOPE

TECHNOLOGY AND SUPPLIER SELECTION CRITERIA

MARKET SHARES ANALYSIS

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EMEA
Asia
Latin America
Market Shares by Phase
Single Phase
Three Phase
Market Shares by Industry
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Automotive
Buildings

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Chemical
Electric Power Generation
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Food & Beverage
Machinery
Medical Products
Metals
Mining
Oil & Gas
Pharmaceutical & Biotech
Pulp & Paper

Refining
Semiconductors
Water & Wastewater
Market Shares by UPS Topology
Online
Standby
Line Interactive

SUPPLIER PROFILES

Profiles for 35 leading suppliers are included, reviewing the company’s business, products, and services for this market segment.

Underlying Drivers for Industrial UPS Adoptions

- Digitization of plant and production facilities
- Need for high availability
- Reliability of industrial operation
- Requirements for more energy
- Including UPS as part of automation solutions
- Increase in machine critical applications
- Increase in process network connections
- Importance of power quality and Industrial UPS

