



YZPST Group

AC and DC power systems



P/N: YZPST-STMS-110V-100AH(3MXG)

——Mexico Metro Project



Table of contents

01

Product Introduction

02

Project Introduction

03

Products



/01



Product Introduction





AC/DC Power Supply

An electrical device that converts alternating current into direct current, or supports both directions (such as Inverter). Its core function is to provide stable and efficient power conversion for various electronic devices.

It is widely used in industry, railway, communication, medical treatment, power supply, mining and other fields.



Product Advantages

Efficient and flexible energy conversion

- Bidirectional energy conversion
- High conversion efficiency.

Intelligence and manageability

- Digital control technology
- Remote monitoring and predictive maintenance

Adapt to new energy and green energy saving

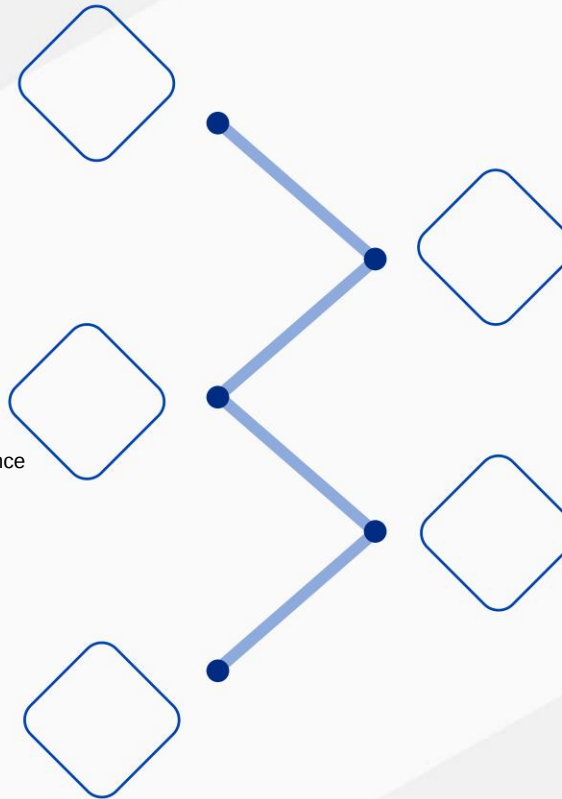
- Renewable energy access
- Low standby power consumption
- Peak shaving and valley filling

Strong power supply reliability

- Seamless switching
- Wide input voltage range
- Multiple protection mechanisms

Modularity and scalability

- Modular design
- AC and DC integration



/02



Project Introduction



Project Introduction

This portable power bank products will be used for charging electric vehicles and emergency power supply during the US Canada Mexico World Cup (June 11-19, 2026).

The DC power supply panel for this project will be applied in Mexican subway substations.

The Monterrey Line 4, Line 5, and Line 6 monorail project in Mexico consists of three
The line was opened in three phases. It has 29 stations, a main control center,
One backup control center, one depot, and two main substations.

The control center and vehicle depot will be put into use in the first phase.



Project power supply system overview

The power supply system of this project mainly consists of main substation, medium voltage network, traction transformer

Substations and step-down substations, traction network systems, low-voltage systems, power monitoring systems

System (SCADA), uninterruptible power supply system (UPS), power supply workshop and lightning protection

And grounding system, etc.

The function of the power supply system is to provide safety and

Reliable and high-quality power supply to meet the power supply needs of various systems.





Project Technical Standards

Model Code	illustrate
IEC 60947-1:2011	Low voltage switchgear and controlgear Part 1: General
IEC60529	Protection Level (IP Code)
IEC62128-2:2013	Subway Design Code
IEC60439-1:2009	Low Voltage Switchgear and Controlgear Assemblies
IEC 60309-1	Industrial plugs, sockets and connectors - Part 1: General requirements
IEC 61508	Functional safety of safety-related systems
IEC60896-21-2004	Stationary lead-acid batteries Part 21 Valve-regulated test methods
IEC 60364	Installation of low voltage electrical installations
EN 50124-1	Insulation coordination for railway applications Part 1: Basic requirements

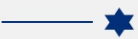


/03



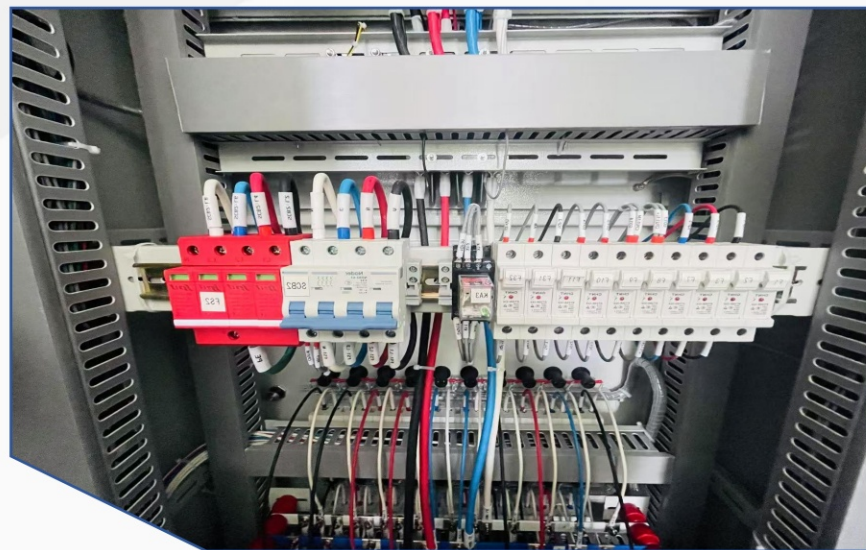
Products





Details

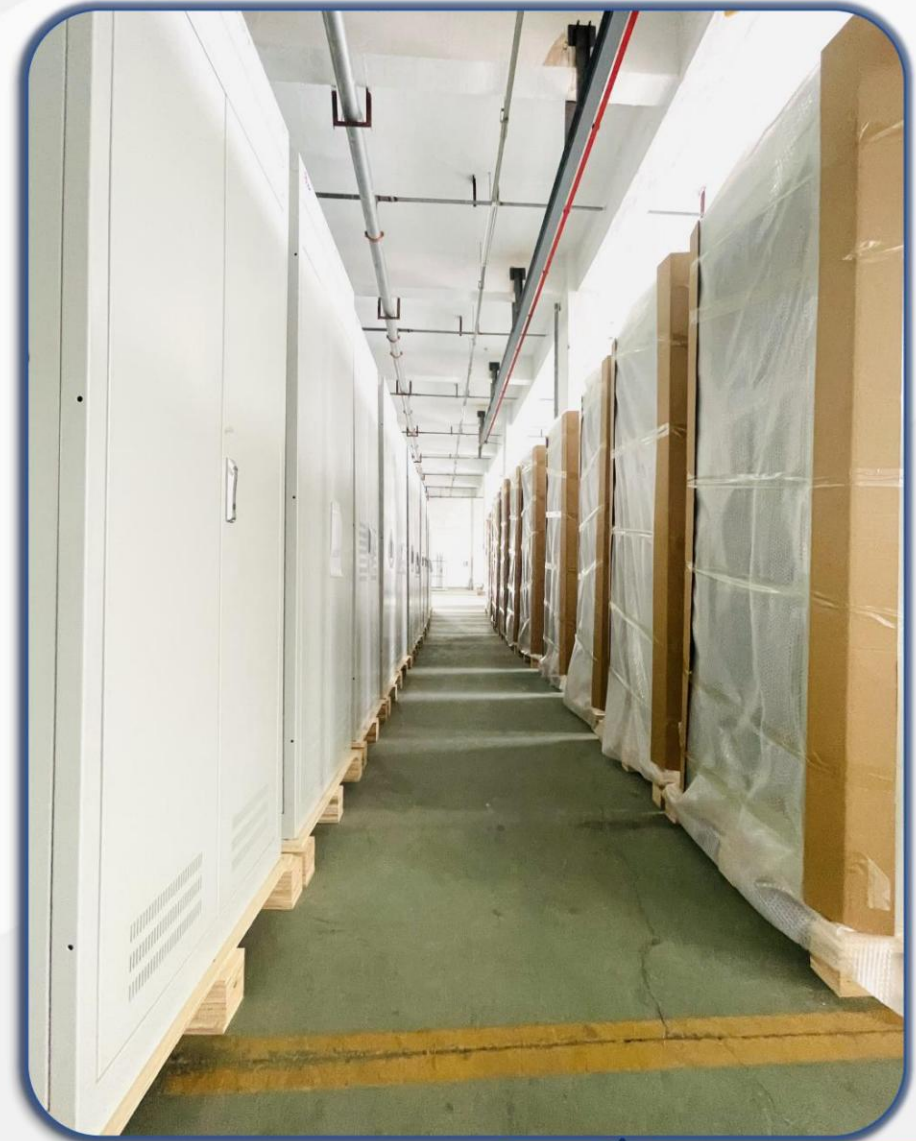




Product Debugging



Product Packaging



THANK YOU



Please visit us on: www.yzpst.net www.yzpst.com



<https://www.linkedin.com/company/yzpst>

E-mail: info@yzpst.com



<https://www.youtube.com/c/YangzhouPositioningTechCoLtd>



<https://www.facebook.com/yzpst>

