www.kctes.ru

X-UBPS:

eXpanded Universal Backup Power Supply

- compactly

set of galvanically isolated supply voltages in one panel with small footprint

- quickly

panel do not require three-phase input, it operates from single-phase input mains

- operatively

industry-standard connectors and components allows quicker installation and easy maintenance

Manufacturing and Design Technological Center “Transport Electrical Systems”

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eXpanded Universal Backup Power Supply

Application

X-UBPS is a protective and redundant power supply for railway interlocking systems. X-UBPS can be installed on stations with mechanical interlocking, on stations with decentralized placement of equipment and local electrical supply, at stationary or mobile railway transportable modules. X-UBPS powered from two independent single-phase AC mains with nominal voltage of 220V. Also, UBPS as well can be used for mains protection in railway automation equipment against lightning, switching surge, noise and pulse overvoltage.

Features

X-UBPS is a single-unit solution with industry-standard connection terminals for inputs and outputs. X-UPBS can be installed in heated areas, according to IP31 class (GOST 14254-96).

X-UBPS provides:

- Galvanically isolated power poles for interlocking devices;
- Uninterruptable AC pole, single phase 220V, up to 3 kW;
- Automatically commutated (guaranteed) single-phase 220V 50Hz AC pole (separate from uninterruptable loads);
- 4kW of total power output, and the value can be increased by demand;
- Galvanically isolated power supply for track circuits and track coding equipment;
- Power supply for LED control panel;
- Power supply for 24V relay circuits;
- Power supply for railway signal lights;
- Power supply of schemes for route direction change and linear circuits;
- Power supply for DC 220V railroad points/switches;
- X-UBPS is equipped with energy meters, so it’s possible to measure energy consumption for technical and commercial purposes;

Battery life with built-in accumulators is non less, than 2 hours. Warranty is 36 months since commissioning.