www.kctes.ru

UBPS:

Universal Backup Power Supply

- securely

redundant design and proven long-term operation of components

- qualitatively

output power is smooth and stable, regardless to input mains quality

- flexibly

by the choice of a customer, power and battery life can be increased up to 10-12 hours

Manufacturing and Design Technological Center “Transport Electrical Systems”

Manufacturing and Design Technological Center

“Transport Electrical Systems”

195112, Russia, Saint-Petersburg, Maloohtinsky prospect.,h. 68 D, building 11,phone/fax: +7(812)363-17-44, http://kctes.ru,

Universal Backup Power Supply

Application

UBPS is a protective and redundant power supply for railway interlocking systems. UBPS can be installed in relay cabinets of signal lights, rail crossings, on stations with mechanical interlocking, on stations with decentralized placement of equipment and local electrical supply, at stationary or mobile railway transportable modules. 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

UBPS is being produced in eight variants, which differs by climatic performance, output power and redundancy of rectifiers and inverters. Climatics is K1 (+10C/+40C) or K3 (-50C/+60C). Output power can be 1 or 3 kW. All versions of UBPS can utilize external battery, and includes connection terminals for it.

UBPS provides:

uninterruptible power output (single phase AC 220V ± 10% at 50 ± 0.4Hz), including case of lack of voltage at both inputs;

runtime depends on the battery capacity and can be changed from 10 minutes to 12 hours or more);

automatic bypass mode in case of rectifiers and/or inverters failure;

Built-in 24 or 12V DC supply with power up to 0.3 kW;

remote or local **emergency power-off control board**.

MTBF: not less, than 40000h.
Warranty: 36 months since commissioning.
Lifetime of the unit: not less, than 20 years.

РОССИЙСКАЯ ФЕДЕРАЦИЯ

ПАТЕНТ

НА ПОЛЕЗНУЮ МОДЕЛЬ

№ 113088

СОВМЕЩЕННАЯ ПИТАЮЩАЯ УСТАНОВКА С ШИНОЙ ПОСТОЯННОГО ТОКА

Автор(ы): *см. на обороте*

Заявка № 2011141507
Приоритет полезной модели 13 октября 2011 г.
Зарегистрировано в Государственном реестре полезных моделей Российской Федерации *27 января 2012 г.*
Срок действия патента истекает 13 октября 2021 г.

Руководитель Федеральной службы по интеллектуальной собственности

Б.П. Симонов

UBPS is patented