

- Hot-swappable power and control modules
- Battery connection
- Battery protection from deep discharge
- Parameter control
- SNMP
- Command Line Interface (CLI)
- Web interface



The UEP5-2 rev.B is designed to provide power supply for telecommunication equipment manufactured by Eltex or other vendors with nominal input voltage of 48 V DC and power up to 3 kW (60 A), as well as to charge lead-acid battery.

The UEP5-2 rev.B is a modular power supply unit that has a metal-enclosed design for 1U 19" racks.

Technical features

Electrical parameters

Input

Maximum input voltage range	176–265 V AC
Nominal input voltage range	200–240 V AC
Input frequency	47–63 Hz
Power factor	0.89

Output

Nominal output voltage	-48 V DC
Output voltage range	-40...-58 V DC
Maximum output current (in battery operation)	30 A
Maximum output current (in AC mains operation)	60 A
Maximum output current on the "LOAD1" line	30 A
Maximum output current on the "LOAD2" line	30 A
Maximum input/output current on the "BAT" line	30 A
Efficiency	no less than 90 %

Physical specifications and environmental conditions

Operating temperature	from -5 to +50 °C
Storage temperature	from -40 to +70 °C
Operating humidity at +25 °C	up to 80%

Device without modules – 3.4 kg
Replacement power module MP54831 – 1.5 kg
Replacement control module UEP5-MK2 – 0.7 kg
Full set device – 7.1 kg

Dimensions (W × H × D)	Power supply device UEP5-2 rev.B – 440 × 44 × 280 mm Replacement power module MP54831 – 106 × 43 × 259 mm Replacement control module UEP5-MK2 – 106 × 43 × 212 mm
Power modules	2
Control modules	1

Technical features (continued)

Replacement control module UEP5-MK2

Interfaces

10/100BASE-TX (RJ-45)	1
LCD	monochrome display with a diagonal of 1.54" inches
LCD resolution	128 × 64 pixels
Digital input	6
Galvanic separation	individual
Relay digital output	6
Switching load	1 A, 30 V DC 0.3 A, 125 V AC
Galvanic separation	individual

UEP5-2 rev.B capabilities

- Hot-swappable power and control modules without disconnecting the load power supply and de-energizing the UEP5-2 rev.B
- Battery connection
- Connection of two load lines, supplying consumers with any type of load
- Simultaneous load supply and battery charging with constant buffer voltage
- Battery protection from deep discharge. Battery cut-off voltage 43.4±0.5 V
- Protection of the device output circuits from short circuits at the output of any of the power modules
- Parameter control (UEP output voltage, battery voltage, load current, battery charge current, output current of each power module) and setting of operation modes via CLI and web interface
- Determination of power module MP54831 installation slot

Main management functions

- Loading and unloading of configuration file via TFTP
- Simple Network Management Protocol (SNMP)
- Command Line Interface (CLI)
- Simple Network Time Protocol (SNTP)
- Local authentication
- SSH server, Telnet server
- Automatic DHCP configuration
- Local event log
- Local command history log

Ordering information

Name	Description
UEP5-2 rev.B	Power supply device
Related products	
MP54831	Replacement power module
UEP5-MK2	Replacement control module

Contact us

About Eltex



+7 (383) 274 10 01
+7 (383) 274 48 48



eltex@eltex-co.ru



www.eltex-co.com

Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.