

## LS1500.ZS BS (POWER SUPPLY MANAGEMENT UNIT)

## PLUG-IN POWER SUPPLIES

- ☒ It supervises and controls the power supply system type LS1500
- ☒ LCD display unit 4x20 characters, SNMP agent with WEB page, events history
- ☒ RTC real time clock, NTP time server
- ☒ Continuity test, remote battery capacity test
- ☒ IUoU temperature controlled battery charging, LVD (low voltage disconnect)
- ☒ Urgent and non-urgent alarms – LED, potential free relay contacts
- ☒ Firmware update through Ethernet network



The LS1500.ZS BS module supervises and controls LS1500 power supply system. It informs about back up power system conditions locally through an LCD 4x20 character display and remotely through an SNMP adapter with its own WEB page. In case of AC power failure, the connected battery provides the backup supply of connected load. Information about autonomy time and on battery time is displayed on LCD display. Based on operating conditions the most suitable battery charge procedure is set up with respect to full capacity recharge time and lifetime (IUoU temperature controlled charging). Cables continuity is periodically monitored. With respect to discharge current, temperature and battery capacity is the battery switched off and on to the DC power bus. The SNMP adapter allows you remotely perform capacity test. RTC, the real time clock can be synchronized through the NTP time server.

Alarms are classified into 2 levels – urgent and non-urgent, which are displayed via 2x two-color LEDs on the front panel and via 2x potential-free relay contacts on the rear panel of the LS1500 chassis. SNMP has a WEB page, where can be seen or controlled the status of the power supply system. Firmware upgrade can be carried out remotely via the Ethernet connection.

LS1500.ZS BS is designed as plug-in module with height 1U or 2U (units). Monitoring and control is through a connector on the rear.

MODEL SPECIFICATIONS		LS1500.ZS BS 1U	LS1500.ZS BS 2U
Input voltage	Vin	7 - 60V DC (270-24mA)	7 - 60V DC (270-24mA)
Display	LCD	4 lines x 20 characters LCD (white backlight)	4 lines x 20 characters LCD (white backlight)
Communication	Relay	Controlling 2x potential-free relay contacts UR – urgent alarm. NUR – non-urgent alarm	Controlling 2x potential-free relay contacts UR – urgent alarm. NUR – non-urgent alarm
	TCP/IP	Ethernet, SNMP with internal WEB page	Ethernet, SNMP with internal WEB page
	LVD	Low voltage disconnect – controlled switch	Low voltage disconnect – controlled switch
Signalization (2 x LED)	LED1	UR – urgent alarm	UR – urgent alarm
	LED2	NUR – non-urgent alarm	NUR – non-urgent alarm
Signal inputs	BIN	2x bin.input for sign. Ext. failures – user, user2	2x bin.input for sign. Ext. failures – user, user2
	TEMP	Temperature sensor	Temperature sensor
Alarm contacts	Relay 1	UR – urgent alarm - 0.5A/250V DC	UR – urgent alarm - 0.5A/250V DC
	Relay 2	NUR – non-urgent alarm - 0.5A/250V DC	NUR – non-urgent alarm - 0.5A/250V DC
SNMP		WEB interface - HTTP protocol. SNMP protocol	WEB interface - HTTP protocol. SNMP protocol
		Capacity test, continuity test, the history of events (128x), RTC, NTC time synchronisation server	Capacity test, continuity test, the history of events (128x), RTC, NTC time synchronisation server
Dimensions W x H x D(mm)		170 x 45(1U) x 250mm	170 x 89(2U) x 250mm
Weight (kg)		0.45kg	0.57kg
Degree of protection		IP40	IP40
Part No.		IP.6400.043.01	IP.6400.043.03