SWITCHING POWER SUPPLIES

**BKE a.s.**
U výzkumu 603
664 62 Hrušovany u Brna
Czech republic

# BATTERY CHARGER WITH IP MONITORING


## DIN-rail charger with battery protection and remote monitoring

The JSD-119-XXX/DIN2_CH_ODP charger integrates the remote monitoring function and automatic reporting of the monitored power supply parameters. This allows the power supply system to considerably reduce or completely eliminate failures of the powered technology and saves the costs and time of technical maintenance. The power supply system also comprises integrated protection from deep discharge of the battery and features a preset current limit of battery charging, which protects the battery from overcharging.

### Voltages

| Output voltage | Output | Battery current | Battery disconnecting voltage |
|---|---|---|---|
| 27,5V | 4,2A max@230V<br>2A max@100V | 1,6A +/-10% | 21V +/-0,5V |
| 54,5V | 2,5A max@230V<br>1,1A max@100V | 0,8A +/-10% | 41,5V +/-0,5V |

### Remote control variants

| Type | Remote monitoring | Remote control |
|---|---|---|
| JSD-119-XXX/DIN2_CH_ODP | Accu voltage, input net, condition of the power supply, accu current, accu temperature | Power supply awitch on/off, output (restart of the connected system) |

### Electrical parameters

| | |
|---|---|
| Input voltage | 100-260 VAC |
| Input frequency | 50/60Hz Hz |
| Input current | 0,7A/230 VAC |
| Power factor | 0,95 |
| Electrical resistance | 3000V AC input-output, 1500V AC input-cover |
| Insulation resistance | Larger as 50MΩ |
| Ripple of the output voltage (50Hz): | 1,4V |

### Technical parameters and operating conditions

| | |
|---|---|
| Operating temperature | -20 to 50ºC |
| Humidity (not condensable) | 10 to 80% |
| Overseas height | up to 2000 mamsl |
| Enviroment | without explosion |
| Protection type | IP20 |
| Weight | 500g |
| Cover | Al + FeZn sheet |
| Dimensions (WxHxD) | 66x89x138mm |

**PS protection class I, overvoltage category EN 61010-1, shortcutproof, designed for continuous operation, T4AH/250V fuse on input**

### Technical norm and certification:

CE decklaration of conformity, security EN 60950-1 ed.2, EMC, EN 61000-6-1 ed.2, EN 61000-6-3 ed.2

### Guarantee 5 years

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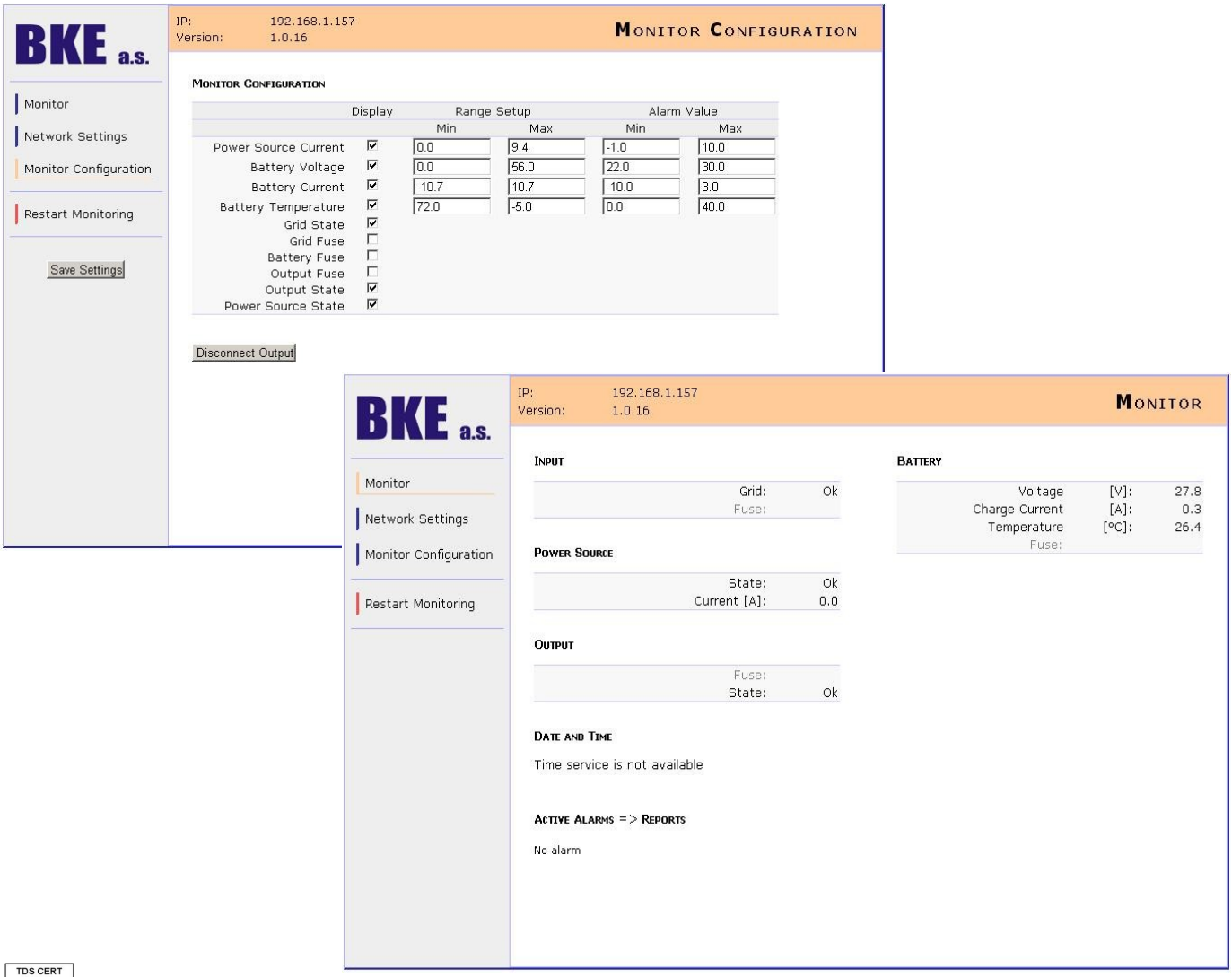
# REMOTE CONTROL IN BKE POWER SUPPLIES

The monitoring (IP) module used in the BKE power supply unit enables simple and clear monitoring of individual power supply parameters. The module provides information about the general status of the power supply unit, presence of the supply mains and the condition of the protection of the input, output and battery. Battery charging parameters are also monitored - actual voltage, current and temperature and the total current provided by the power supply unit. The possibility of immediately checking the values of these parameters allows engineers to identify the cause of the problems in a particular location before their actual intervention, which helps them avoid or considerably reduce the downtime of the equipment.

The power supply units can be integrated in higher systems using the SNMP protocol, monitored individually via and integrated web interface and they can provide reports about exceeding of monitored parameters by sending e-mail messages. The limit values of the monitored parameters can be customized so that the module can warn the operator in time if an event occurs. E.g. thanks to measurement of the battery voltage the user can be warned in time before its disconnection.

## Alarm configuration




**Monitoring via web interface**