

Input

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| Input voltage range | 175-264VAC |
| Frequency | 40-70Hz (16-400Hz possible on request) |
| Inrush current | max. 35A, limited by NTC 10 Ω |
| Fuse | 6,3 AT externally |
| No-load input current | app. 25mA at 230VAC |
| Switch-on time | typ. 2s |
| Hold-up time | typ. 15ms at 230VAC |
| Turn on/off | $\leq 166VAC / \geq 277VAC$ |
| Spikes | acc. EN 61000-4-5, Class 3 |
| Bursts | acc. EN 61000-4-4, Level 3 |

Output

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|-------------------------------|---|
| Output voltage | for 24VDC battery (adjustable by factory from 24VDC to 30VDC depending on battery type) |
| Output current | 12,5ADC |
| Line regulation, | |
| Load regulation | $\pm 2\%$, measured directly at the connection terminal |
| Ripple | < 250mV p-p typ without battery |
| Response time | typ. 2ms |
| Load transient 10-100-10% | typ. 6% |
| On/off overshoot | none |
| Overload protection | electronically |
| Over voltage protection | > 33 VDC switch off, not automatic return, no effect on external over voltage |
| Sense lines | Externally, on connector (function without connected Sense possible) |
| Back feeding protection diode | in the output |
| Alarm Signals | over potential free contacts, when Uout is <20VDC (NOC=open, NCC=closed). |
| Charging characteristic | IU Temperature-controlled charging characteristic via external NTC |

General

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|-----------------------------|--|
| Operating temperature | -25°C to +55°C Derating 2,5% /°C for temperature +55°C up to max. 75°C necessary. |
| Over temperature protection | unit switch off if internally temperature is too high, automatically switch on after cooling |
| Storage temperature | -40°C to +85°C |
| Humidity | 75% without condensation, |
| Efficiency at full load | >90%, |
| Power dissipation | app. 68W |
| Over temperature protection | shut off, at hot spot off about 100°C. Automatically restart after cooling down. |

Construction

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|--------------------|---|
| Isolation | acc. EN 50178, EN 60950, Class I |
| RFI-interference | acc. EN 50178, EN 60950 SELV |
| EMC / CE | acc. EN 55011 Class "A" EN 61000-6-4, EN 61000-6-2 Grounding of input and/or output potentials and/or connecting input to output may cause changes of EMC and/or ripple values. |
| Protection class | I acc. EN 61140 |
| Visual Indications | green LED Uout = Output voltage ok (DC ok.) |
| Case | 19" cassette, 3U, 28TE, depth app. 166mm, elox alu front panel, RAL7035 |
| Connection | Connector H15 |
| Weight | app. 1kg |