

Input

Input voltage range	175-264VAC
Frequency	40-70Hz (16-400Hz possible on request)
Inrush current	max. 35A, limited by NTC 10 Ω
Fuse	2 AT externally
No-load input current	app. 20mA at 230VAC
Switch-on time	typ. 2s
Hold-up time	typ. 15ms at 230VAC
Turn on/off	$\leq 166\text{VAC}$ / $\geq 277\text{VAC}$
Spikes	acc. EN 61000-4-5, Class 3
Bursts	acc. EN 61000-4-4, Level 3

Output

Output voltage	for 24VDC battery (adjustable by factory from 24VDC to 30VDC depending on battery type)
Output current	5,3ADC
Line regulation, Load regulation	$\pm 2\%$, measured directly at the connection terminal
Ripple	$< 250\text{mV}$ 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	$> 33\text{ VDC}$ 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 U_{out} is $< 20\text{VDC}$ (NOC=open, NCC=closed).
Charging characteristic	IU Temperature-controlled charging characteristic via external NTC

General

Operating temperature	-25°C to $+55^{\circ}\text{C}$ Derating 2,5% / $^{\circ}\text{C}$ for temperature $+55^{\circ}\text{C}$ up to max. 75°C necessary.
Storage temperature	-40°C to $+85^{\circ}\text{C}$
Humidity	75% without condensation,
Efficiency at full load	$> 90\%$,
Power dissipation	app. 25W

Construction

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 U_{out} = Output voltage ok (DC ok.)
Case	for chassis mount, Alu varnished, RAL7035