

## Input

Input voltage range	160-280VDC
Inrush current	max. 40ADC limited by NTC 7 $\Omega$
Fuse	6,3 AT externally
No-load input current	app. 25mA at 220VDC
Switch-on time	typ. 2s
Hold-up time	typ. 15ms at 220VDC
Polarity protection	yes
Turn on/off	$\leq 144\text{VDC} / \geq 294\text{VDC}$
Spikes	acc. EN 61000-4-5, Class 3
Bursts	acc. EN 61000-4-4, Level 3

## Output

Output voltage	48VDC standard setting, (adjustable from 42VDC to 56VDC only by factory).
Output current	7ADC up to Uout 50VDC, Uout >50VDC 6,3ADC
Boost Function	max. output current app. 28ADC for $10\text{ms} \leq t \leq 15\text{ms}$
Line regulation	
Load regulation	$< \pm 2\%$ , measured directly at the connection terminal
Ripple	$< 500\text{mV}$ p-p typ
Response time	typ. 2ms
Load transient 10-100-10%	typ. 6%
On/off overshoot	none
Overload protection	electronically
Over voltage protection	$> 60\text{VDC}$ switch off, not automatic return, no effect on external over voltage
Decoupling Diode	in the output
Alarm Signals	over potential free contacts, when Uout is $< 40\text{VDC}$ (NOC=open, NCC=closed).

## General

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

## Construction / Isolation

RFI-interference	acc. EN 55011 Class "A"
EMC / CE	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	for rail mount, 35mm rail EN50022, Alu varnished, RAL7035
Connection	plug-in terminals on front panel
Weight	app. 2kg