Input

Input voltage range	90-140VDC
Inrush current	max. 80A, limited by 2Ω - NTC
Fuse	30AT or MCB 32A, characteristic K externally
No load input current	ca. 150mA at 110VDC
Switch on delay time	2s
Hold up time	>10ms at 110VDC and nominal output load
Polarity protection	yes (internal diode with external fuse or MCB)
Turn on	> 85VDC
Turn off	< 85VDC / >150 VDC
Spikes	acc. EN 61000-4-5, Class 3
Bursts	acc. EN 61000-4-4, Level 3

Output

Output voltage	60VDC standard setting, (adjustable from 53VDC to 70VDC only by factory).
Output current	33ADC up to output voltage 61VDC, Vout > 61VDC 28ADC
Boost-Function	3 – 4 x output current (min. 99ADC) for 10ms ≤ t ≤ 15ms
Overload protection	electronically - UI- characteristic
Short circuit protection	electronically
Voltage regulation/ Load regulation	± 2%, measured directly on the connector
Ripple	< 600mVss typ.
Load transient 10-90-10%	typ. 6%
On/off overshoot	none
Over voltage protection	switch off at Vout >75VDC, not automatic restart, no protection for external over voltage
Sense lines	internally connected (optional on connector)
Parallel-/redundant Connection	active ORing decoupling.
Active current sharing	using the active current sharing in a parallel connection, the communication between the units is done by the use of a current share bus. Thereby a current symmetry off < 5% Iout nom. can be achieved. It's possible to connect up to 8 units in parallel.
LED`s	the green **LED Uin** at front is lightning if input voltage is ok., (the LED is flashing if input voltage is ok. but the primary inhibit is open) the green **LED Uout** at front is lightning if output voltage is ok., (the LED is flashing if input voltage is ok. but the 24VDC inhibit is active) the red **LED Failure** is lightning if unit fails (see description alarm)
Alarm Signals	over potential free relay contacts NOC/NCC rating max. 250VDC; 0,5ADC or 264VAC; 3AAC interface IO-Link optional (alarm by failures: input voltage out of tolerance, overtemperature, internal over voltage (OVP active), overload at output, unit fails).
Inhibit	**-** primary for turn on the unit, contacts 3 and 4 on connector X1 must be closed by switch or wire. (Connection is made by factory. For use primary inhibit, remove the connection and add for example a switch) **Attention** no galvanic isolation, **connected with Input**, On / Off levels contacts 3 and 4 closed - unit "On" output voltage is normal contacts 3 and 4 open - unit "Off" out voltage 0VDC

-Inhibit 24VDC (Connector X2)

digital input, Unom. 24VDC
galvanic isolated 750 VAC and 1000 VDC permanently

connector	2-wire
on / off levels	signal “0”: 0-5VDC; output voltage is normal signal “1”: 15-30VDC; output voltage 0VDC
Input impedance	1200Ω, input current max 25mA

General

Operating temperature	-20°C to +55°C
Current derating	automatically from +55°C to +75°C about 2,5%/°C with a free convection.
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. 200W
Over temperature protection	shut off, at hot spot off about 110°C. Automatically restart after cooling down.
Construction	EN 61010, SELV
RFI-interference	acc. EN 55011Class "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
Case	for chassis mount IP 20
Connection	plug-in terminals on front panel
Weight	app. 10kg