

Input

Voltage range	narrowing of input voltage range optimizes the efficiency (pls. specify), unit switches off at under- and over voltage
No-load input power	30W typical
Switch-on time	< 1s typical
Inrush current	option limited by thermistor, electronic inrush current limiting on request

Immunity

- ESD	acc. to DIN / EN 61000-4-2 level 3
- Fast transients	acc. to DIN / EN 61000-4-4 level 3
- Surges	acc. to DIN / EN 61000-4-5 level 3

Output

Line regulation ($\pm 10\%$)	0.1%
Load regulation (10-90%)	0.2%
Load transient (10-90-10%)	6% typical
Response time to $\pm 1\%$	10 ms typical
Turn-on rise time	Soft-start, 300 ms typical
Ripple	$\leq 1\%$
Overload protection	current limited to 105 - 110% of I_{nom}
Over voltage protection	OVP switches off module with automatic return to operation, after 5 seconds, the unit will remain latched off
Remote sense	standard for PCW- series up to 150VDC output, up to 10% of U_{nom} for output <60VDC, up to 6V for output >60 VDC

General

Efficiency	80 - 95%
Operating temperature	-20 to +75°C
Load derating	2.5% / °C from +55°C
Storage temperature	-40 to +85 °C
Humidity	up to 75% RH, non-condensing
Cooling	with water, 5l/min (1-6 bar), $\leq 35^\circ\text{C}$
Temperature coefficient	0.02% / °C typical
Safety / Construction	acc. to DIN / EN 60950-1: 2003
Protection category	IP 20, others upon request
EMI	acc. to EN 55011, class A, class B on request
MTBF	approx. 70,000 h at 40°C acc. to MIL - HDBK - 217 E
Weight	app. 4.7kg
Connector	terminals / bolts / bars
Construction	19" subrack 84TE, 5 units high, depth app. 600mm + terminals app. 80mm (depending on typ)