



Data sheet

11.07.2018

**Rectifier TEBECHOP 6000SE  
D400 - 480 48V/125A**

<b>4</b>	<b>General data</b>	
4.1	Case protection	IP 20
4.2	Module dimension (H x W x D)	Body 80 x 131 x 380mm (3,15" x 5,16" x 15") Faceplate 88 x 132mm (3,5" x 5,2") Carrier with 4 module: 2 U in 600mm PSJ or UC Cabinet Depth with Carrier and Backplane 452mm (17,78")
4.3	Cooling	Forced cooling, fan speed controlled
4.4	Operating temperature	Starting at -33°C – +75°C (-27,4°F – 167°F) Compliance with data: after heating -5°C – +75°C (23F – 167°F) Derating above 45°C ( 113°F) 2,5% load reduction per 1°C
4.5	Relative humidity	0 – 90% (non-condensing)
4.6	Storage temperature	-40°C – 85°C -40°F – 185°F
4.7	Operation altitude	2000m over N.N 10% / per 2000m derating >2000m until 5000m over NN
4.8	Connection technology	Backplane (Hot – Plug)
4.9	Weight	< 6kg
4.10	Protection class	I by IEC950/ EN60950/ UL1950, galvanic separation between input and output
4.11	Noise level (1meter)	<55dB (A) Conditions: ambient temperature 30°C; nominal Mains; 53,5V / 112A
4.12	MTBF	>120.000 h, MIL-HDBK-217-F
4.13	Opt. indication (LED)	Mains applied: green on Rectifier fault: red on
4.14	External function	Remote on/off through external switch (option) Voltage and charger mode adjustment via RS485 (Sat-Bus)
4.15	Monitoring:	Mains Voltage: shut down at over and under voltage; self recovery Output voltage: over voltage shut down; recovery after : mains on off ; Bus command Temperature: warning and shut down; recovery after cooling

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	Applicable Standards	
<b>5.1</b>	<b>Electrical safety</b>	<b>EN 60950-1 \ IEC 60950-1 \ UL 60950-1 \ CAN / CSA-C22.2 No 60950-1-07</b>
<b>5.2.0</b>	<b>EMC Emission ( industrial )</b>	<b>EN 61000-6-4</b>
5.2.1	RFI	EN55022 class A
5.2.2	Voltage Flicker	EN 61000-3-11
5.2.3	Harmonic current	EN 61000-3-12
<b>5.3.0</b>	<b>EMC Immunity ( industrial )</b>	<b>EN 61000-6-2</b>
5.3.1	Electrostatic discharge	EN 61000-4-2 $\pm 4\text{kV}$ (contact dis.) $\pm 8\text{kV}$ (air dis.)
5.3.2	Radiated electromagnetic-field	EN 61000-4-3 80MHz – 1,0GHz 10V/m 1,4GHz – 2,0GHz 3V/m 2,0GHz – 2,7GHz 1V/m
5.3.3	Fast Transient (Burst)	EN 61000-4-4 Mains and Output: $\pm 4\text{kV}$ Signals: $\pm 2\text{kV}$
5.3.4	Surge	EN 61000-4-5 Mains: $\pm 6\text{kV}$ asym. and sym. Output: $\pm 1\text{kV}$ asym. and sym.
5.3.5	Conducted RFI disturbances	EN 61000-4-6 150kHz – 80MHz 10V
5.3.6	Voltage interruptions and dips	EN 61000-4-11
5.3.7	Ring wave	EN 61000-4-12 Mains: $\pm 6\text{kV}$
5.3.8	EMC	EN300386 V1.4.1
<b>5.4.0</b>	<b>Environment</b>	
5.4.1	Storage	ETS300019-1-1 class 1.3
5.4.2	Transport	ETS300019-1-2 class 2.3
5.4.3	Operation	ETS300019-1-4 class 4.1
		Design to pass NEBS Level 3
<b>5.5.0</b>	<b>Safety Report</b>	<b>EN 60950-1 \ IEC 60950-1 \ UL 60950-1 \ CAN / CSA-C22.2 No 60950-1-07</b>

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