

Gutor™ SDC technical data

Rectifier input

Voltage	3 x 190/208/220/240/380/400/415/420/440/460/480/500/525/660/690 V
Input voltage tolerance	
DC in tolerance	+/- 10%
For function	+15%/-25%
Frequency	50/60 Hz +/- 8%
Power factor for a 6-puls rectifier	
At nominal line power and float voltage	~ 0.83
At -10% line power and float voltage	~ 0.90
At +10% line power and float voltage	~ 0.75

DC output

Voltage	24/48/110/125/220 VDC
Setting range	
Float voltage at -10/+10% line power voltage	100 – 120%
Float voltage at 0/+10% line power voltage	100 – 130%
Boost voltage at nominal line power voltage	100 – 130%
Battery operating range	150%
DC voltage tolerance	+/- 1%
Dynamic behavior	
10 –100% and 100 –10% load step	maximum +/- 10% Vrms
Regulation time	<100 ms +/- 2%
DC ripple voltage	with battery capacity of 3x nominal current: ≤ 1% rms without battery: ≤ 2% rms optional without battery: ≤ 1% rms
DC current tolerance	+/- 2%
Characteristic	I-U according to DIN 41773
DC overcurrent capability	150 – 200% for 2s

General data

Ambient temperature range for storage	from -20 to +70 °C	from -4 to +158 °F
Ambient temperature range for operation	from -10 to +55 °C	from 14 to +131 °F
Altitude above sea level	1000 m without load de-rating	3,280 ft without load de-rating
Allowable air humidity	<95% (non condensing)	
Noise level standard n+1 fan system	55 – 65 dBA	
Degree of protection	IP20 according to IEC* 60529	
Paint	pearl light gray, RAL 9022 structure	
Standards		
Safety	IEC/EN 62040-1-2	
EMC	IEC 62040-2, EN 50091-2	
Performance	IEC/EN 62040-3, IEC 60146-1-1	
Conformity	CE-Label	
Efficiency	up to 94% depending on type	
Cooling	Natural convection up to 100 A/220 V Force air ventilation with redundant, monitored fans	
Seismic	up to 1.0 g	