

Gutor™ WxW technical data: WEW single phase/WDW three phase

Inverter input		
DC	110/125/220/250/400 VDC	
Inverter input range (output tolerance +/- 1%)	+20/-15%	
Inverter maximum input range (output tolerance +/- 10%)	typical +/- 25%	
Bypass input voltage Single phase Three phase	1 x 120/208/240/480/600 V (other voltage upon request) 3 x 208/480/600 V (other voltage upon request)	
Frequency	60 Hz +/- 8% (50 Hz available upon request)	
Inverter output		
Nominal inverter rating	kVA at lagging 0.8 PF	
Voltage Single phase Three phase	1 x 120/240 V (other voltage upon request) 3 x 208/480 V	
Voltage regulation Static within 0 – 100% load Dynamic at 100% load surge Regulation time	+/- 1% +/- 4% < 25 ms	
Overload Inverter 1 min Inverter 10 min Bypass 100 ms	105% continuous 150% 125% 1,000%	
Short-circuit inverter 100 ms	200%	
Frequency	60 Hz +/- 8% (50 Hz available upon request)	
Frequency stability, free running	< 0.01%	
Synchronization range	0.5/1/2/4/6/8%	
Slew rate single unit	0.25/0.5/1/2/4 Hz/s programmable	
Slew rate redundant system	4.0 Hz/s	
Wave form	sinusoidal	
Admissible output crest factor	unlimited	
Distortion factor Linear load Nonlinear load	≤ 3% ≤ 5%	
Allowable power factor	0.4 lag – 0.9 lead	
Fault clearing capability	200% for 100ms via inverter, 1000% for 100ms via bypass	
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 -4 to +158 °F	14 to +131 °F
Altitude above sea level	1,000 m without load de-rating from	3,280 ft without load de-rating
Allowable air humidity	<95% (non-condensing)	
Noise level standard n+1 fan system	60 – 75 dBA depending on type	
Degree of protection	NEMA 1 (IP20)	
Paint	pearl light gray, RAL 9022 cabinet	
Efficiency	up to 91% depending on type	
Cooling	forced ventilation (two speed) with n+1 redundant, monitored fans	
Standards Safety EMC Performance	UL 1778 / CSA 22.2-107.3 FCC Part 15 Subpart B, Class A Nema PE-1	
Conformity	CE-Label	
Seismic	up to 1.0 g	