

## INVERTER FOR OFF-GRID APPLICATIONS



AC pure sine wave output



Continuous power: 1000 VA, 230V, 50 Hz



94% maximum inverter efficiency



Energy Saving function



12 V / 24 V battery voltage



LED indicators



Protections:

- Low battery
- Over-temperature
- Short circuit and AC overload



Shutdown switch



Pb-lead acid, Pb-AGM, Pb-gel batteries and Lithium batteries



IP20 metal box

Il **WI1000-12** ed il **WI1000-24** sono inverter DC/AC, studiati per applicazioni isolate, ad alta affidabilità e con prestazioni professionali.

Il prodotto è stato sviluppato per produrre una forma d'onda di uscita AC sinusoidale pura, con un'elevata efficienza di conversione, fino al 94% e bassissimi consumi in stand-by, inferiori a 2,5W.

Tali caratteristiche sono ottenute tramite una configurazione ibrida con trasformatore toroidale di uscita e tecnologia commutazione ad alta frequenza (HF Technology).

La funzione **risparmio energetico** permette di ridurre i consumi in modo determinante in caso di mancanza di carico collegato, garantendo una superiore autonomia di sistema.

***WI1000-12** and **WI1000-24** are DC / AC inverters, designed for off-grid applications, with high reliability and professional performance.*

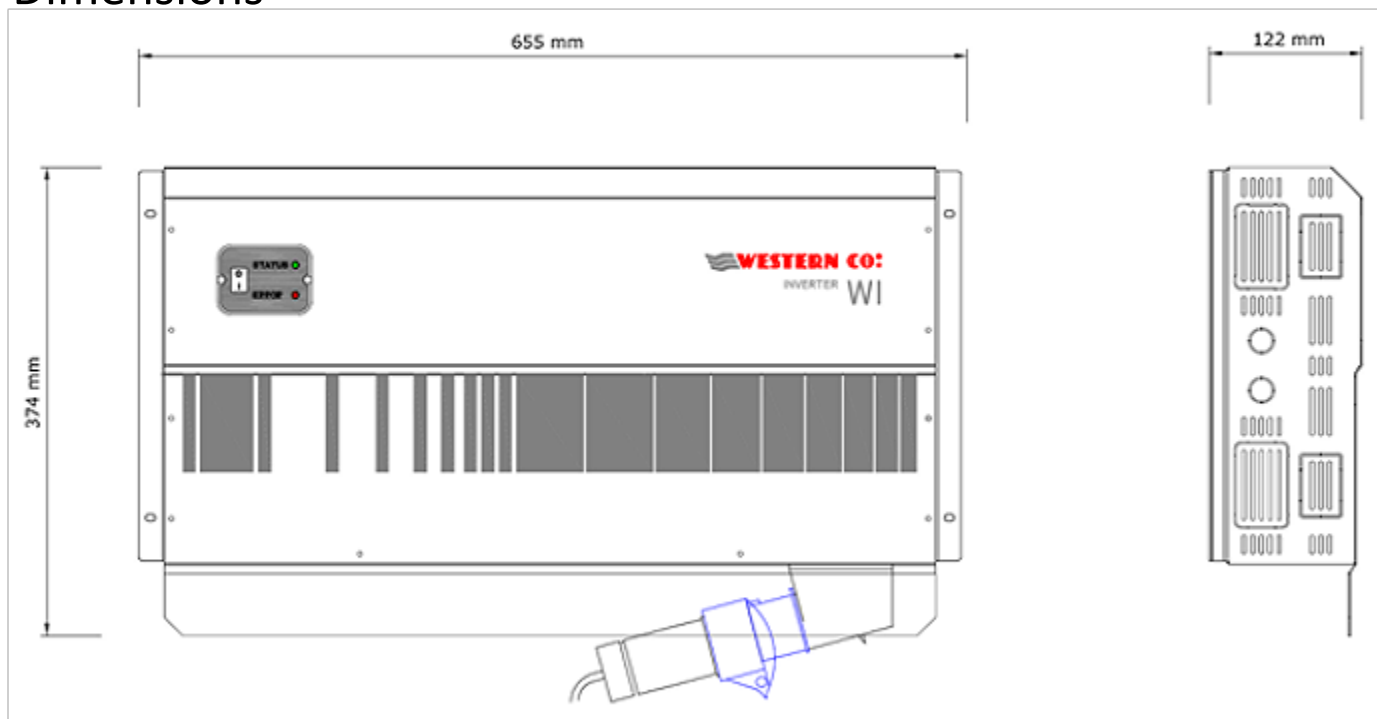
*The product was developed to produce a waveform of pure sine AC output, with high conversion efficiency, up to 94%, and very low power consumption in stand-by mode, less than 2,5W.*

*These features are obtained through an hybrid configuration with a toroidal transformer output and high frequency switching technology (HF Technology).*

*The **energy saving** function allows to reduce the consumption in a significant way in the event of lack of the connected load, ensuring a superior system autonomy.*

		12V battery nominal voltage			24V battery nominal voltage			
		Min	Typ	Max	Min	Typ	Max	
<b>INVERTER</b>	Output power	Pout	-	1000VA	2000W	-	1000VA	2000W
	Battery voltage	Vbatt	9.2V	12V	17.3V	18.4V	24V	34V
	Output voltage	Vac	-	230V	-	-	230V	-
	Output frequency	Fac	-	50Hz ±0.1%	-	-	50Hz ±0.1%	-
	Efficiency	Eff	-	93%	-	-	94%	-
	Internal consumption in stand-by mode	Psb	-	2.3W	-	-	2.3W	-
	Load activation / energy saving	Pes	-	30W / 20W	-	-	30W / 20W	-
	Threshold alert for low battery	Tba	10.8V	10.9V	11.0V	21.6V	21.8V	22.0V
	Shutdown threshold for low battery	Tbs	-	9.2V	-	-	21.8V	-
	Reactivation threshold from low battery	Tbr	-	12.5V	-	-	25.0V	-
	Internal over-temperature alarm	Tot	-	55°C	-	-	55°C	-
	Operating temperature	Tamb	-10°C	25° C	60°C	-10°C	40°C	60°C
		Min	Typ	Max	Min	Typ	Max	
<b>Enclosure</b>	Section of the battery cables	-	25mm2	-	-	10mm <sup>2</sup>	-	
	Length of battery cables	-	1.2mt	-	-	1.2mt	-	
	Protection degree	-	IP20	-	-	IP20	-	
	Dimensions	374x655x122 mm			374x655x122 mm			
	Weight	-	11.5 Kg	-	-	11.5 Kg	-	

## Dimensions



**WESTERN CO.**

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