

## INVERTER FOR OFF-GRID APPLICATIONS



AC pure sine wave output



Continuous power: 400 VA, 230V, 50 Hz



90% 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 **W400-12** ed il **WI400-24** 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 90%, 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.

**WI400-12** and **WI400-24** are DC / AC inverter, designed for off-grid applications, with high reliability and professional performance.

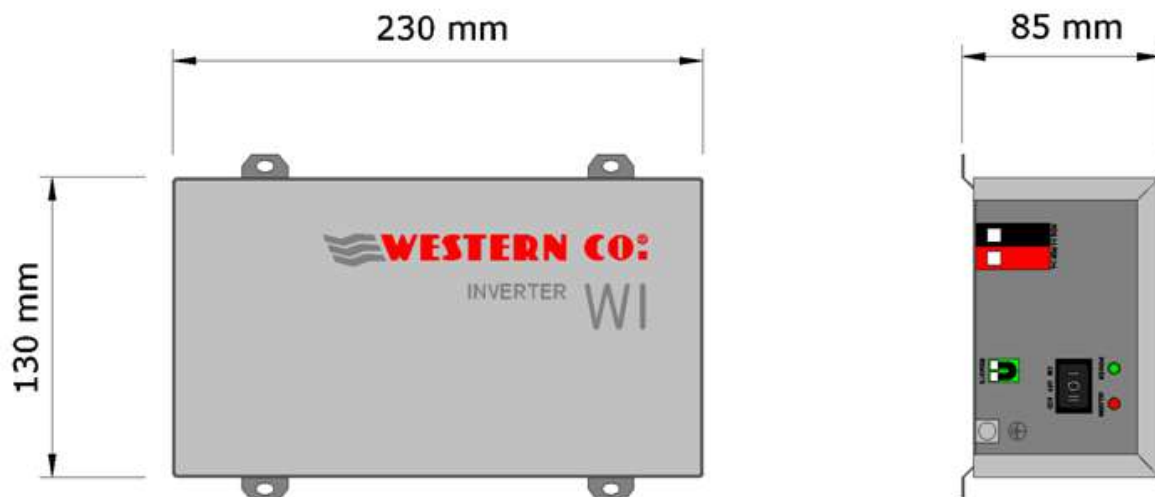
The product was developed to produce a waveform of pure sine AC output, with high conversion efficiency, up to 90%, and very low power consumption in stand-by mode, less than 2.5W.

These features are obtained through a 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	-	400VA	700W	-	400VA	400W
	Battery voltage	Vbatt	9.2V	12V	17V	18.4V	24V	34V
	Output voltage	Vac	-	230V	-	-	230V	-
	Output frequency	Fac	-	50Hz ±0.1%	-	-	50Hz ±0.1%	-
	Efficiency	Eff	-	90%	-	-	90%	-
	Internal consumption in stand-by mode	Psb	-	2.5W	-	-	2.5W	-
	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	-	9.3V	-	-	18.6V	-
	Reactivation threshold from low battery	Tbr	-	10.9V	-	-	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		-	10mm <sup>2</sup>	-	-	10mm <sup>2</sup>	-
	AC connection		-	Schuko CEE 7/4	-	-	Schuko CEE 7/4	-
	Protection degree			IP21			IP21	
	Dimensions		230x130x85 mm			230x130x85 mm		
	Weight		-	3.5 Kg	-	-	3.5 Kg	-

## Dimensions



**WESTERN CO.**

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