

INVERTER FOR OFF-GRID APPLICATIONS



AC pure sine wave output



Continuous power: 1200 VA, 230V, 50 Hz



94% maximum inverter efficiency



Energy Saving function



24 V / 48 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 **WI1200-24** ed il **WI1200-48** 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 9W.

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.

WI1200-24 and **WI1200-48** 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 9W.

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.

WESTERN CO. S.r.l.

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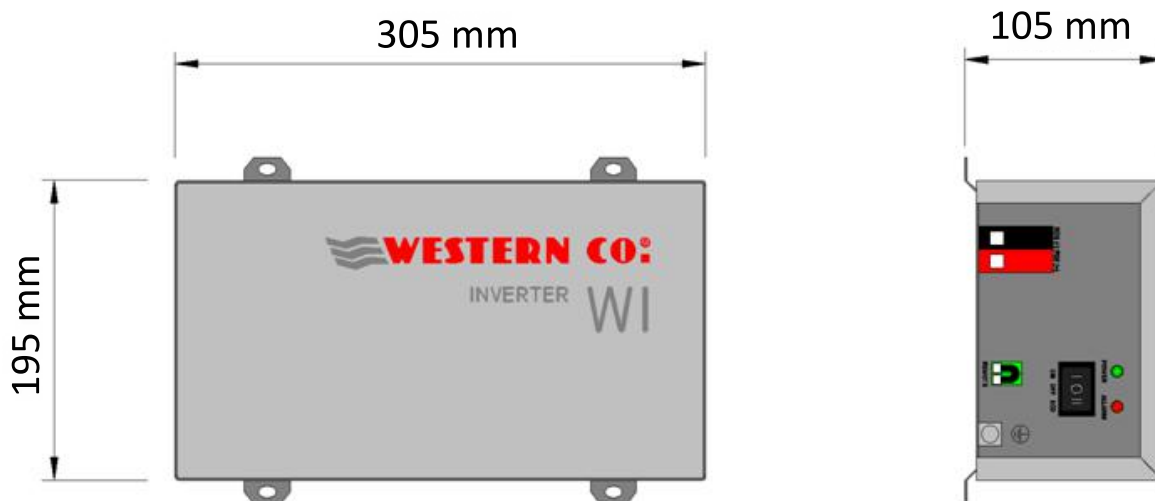
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WESTERN CO.®
ELECTRONIC EQUIPMENTS - SOLAR SYSTEMS

			24V battery nominal voltage			48V battery nominal voltage		
			Min	Typ	Max	Min	Typ	Max
INVERTER	Output power	Pout	-	1200VA	2000W	-	1200VA	2400W
	Battery voltage	Vbatt	18.4V	24V	34V	36.8V	48V	68V
	Output voltage	Vac	-	230V	-	-	230V	-
	Output frequency	Fac	-	50Hz ±0.1%	-	-	50Hz ±0.1%	-
	Efficiency	Eff	-	94%	-	-	94%	-
	Internal consumption in stand-by mode	Psb	-	8W	-	-	8W	-
	Load activation / energy saving	Pes	-	30W / 20W	-	-	30W / 20W	-
	Threshold alert for low battery	Tba	21.6V	21.8V	22V	43.2V	43.6V	44V
	Shutdown threshold for low battery	Tbs	-	18.4V	-	-	36.8V	-
	Reactivation threshold from low battery	Tbr	-	25V	-	-	50V	-
	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	Type	Max	Min	Type	Max
Enclosure	Section of the battery cables		-	25mm ²	-	-	10mm ²	-
	Lenght of battery cables		-	1.2mt	-	-	1.2mt	-
	Protection degree			IP20			IP20	
	Dimensions		305x195x105 mm			395x195x105 mm		
	Weight		-	11.5 Kg	-	-	11.5 Kg	-

Dimensions



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