

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.

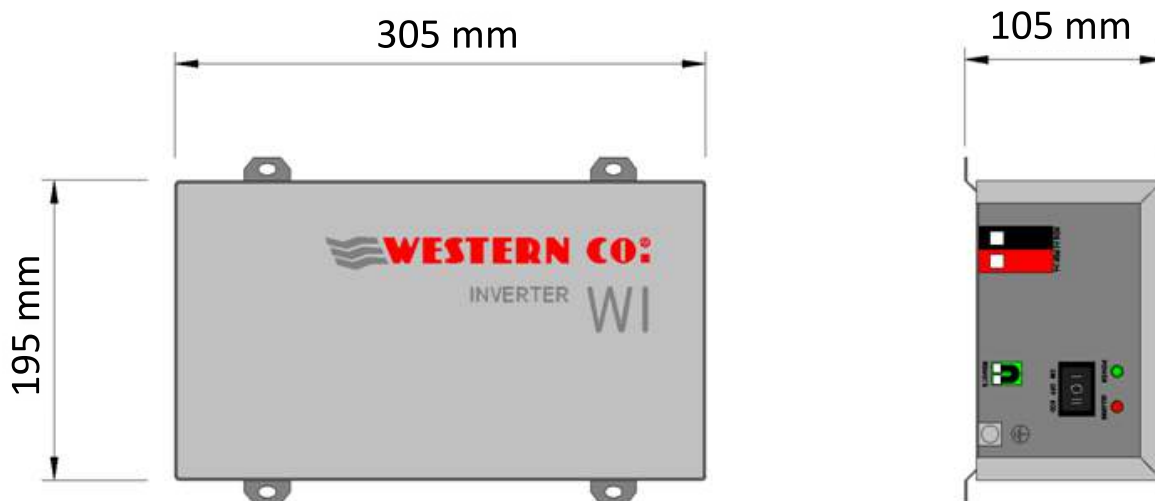
The product was developed to produce a waveform of pure sine AC output, with high conversion efficiency, up to 94%, and very low power consumption in stand-by mode, less than 9W.

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.

| | | | 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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