

INVERTER FOR OFF-GRID APPLICATIONS



Il **W800-12** ed il **WI800-24** 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.



AC pure sine wave output



Continuous power: 800 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

WI800-12 and **WI800-24** are DC / AC inverter, designed for off-grid applications, with high reliability and professional performance.

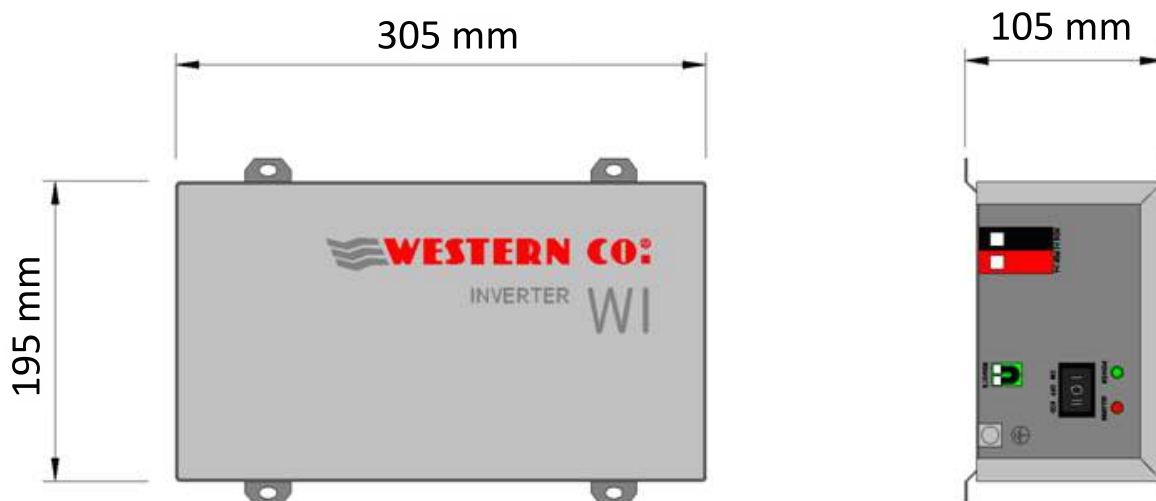
The product was developed to produce a waveform of pure sine AC output, with high conversion efficiency, up to 90%, and very low power consumption in stand-by mode, less than 2.5W.

These features are obtained through 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 |
| INVERTER | Output power | Pout | - | 800VA | 1600W | - | 800VA | 1600W |
| | 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 | - | 94% | - | - | 94% | - |
| | Internal consumption in stand-by mode | Psb | - | 5W | - | - | 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 |
| Enclosure | Section of the battery cables | | - | 25mm ² | - | - | 25mm ² | - |
| | AC connection | | - | Schuko CEE 7/4 | - | - | Schuko CEE 7/4 | - |
| | Protection degree | | | IP21 | | | IP21 | |
| | Dimensions | | 305x195x105 mm | | | 305x195x105 mm | | |
| | Weight | | - | 7 kg | - | - | 7 kg | - |

Dimensions



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