WI400/WI800/WI1200

[OFF-GRID INVERTERS]

Code

WI400 – 12: *014960*	***WI800 – 12:*** *016099*	***WI1200 – 24:*** *015829*
WI400 – 24: *014961*	***WI800 – 24:*** *016100*	***WI1200 – 48:*** *016106*

Product description

WI400, **WI800** and **WI1200** are **DC/AC** inverters designed for off-grid applications, with high reliability and professional performance.
The products have been developed to produce a pure sinusoidal **AC** output waveform, with high conversion efficiency, up to 90%, and very low stand-by power consumption, less than 2.5W.
These features are obtained through a hybrid configuration with toroidal output transformer and high frequency switching technology (HF Technology).
The energy saving function allows to reduce consumption significantly if the power of the load connected to the inverter is very low, ensuring greater system autonomy.

[es]

Descripción del producto

Los **WI400, WI800** y **WI1200** son inversores **CC/CA**, diseñados para aplicaciones aisladas, con alta fiabilidad y rendimiento profesional.
Los productos han sido desarrollados para producir una forma de onda de salida de **CA** sinusoidal pura, con una alta eficiencia de conversión, de hasta el 90%, y un consumo de energía en stand-by muy bajo, inferior a 2,5 W.
Estas características se obtienen mediante una configuración híbrida con transformador de salida toroidal y tecnología de conmutación de alta frecuencia (tecnología HF).
La función de ahorro de energía permite reducir significativamente el consumo en caso de falta de carga conectada, asegurando una mayor autonomía del sistema.

[de]

Produktbeschreibung

Der **WI400**, der **WI800** und der **WI1200** sind **DC/AC** wechselrichter für netzunabhängige Anwendungen mit hoher Zuverlässigkeit und professioneller Leistung. Die Produkte wurden entwickelt, um eine Wellenform aus reinem Sinus-Wechselstromausgang mit einem hohen Umwandlungswirkungsgrad – bis zu 90% – und einem sehr niedrigen Stromverbrauch im Standby-Modus von weniger als 2,5 W zu erzeugen. Diese Merkmale werden durch eine Hybridkonfiguration mit einem Ringkerntransformatorausgang und einer Hochfrequenz-Schalttechnologie erzielt. (HF-Technologie) Die Energiesparfunktion ermöglicht, den Verbrauch bei fehlender angeschlossener Last erheblich zu reduzieren und somit eine überlegene Systemautonomie zu gewährleisten.

Product features

[es]
Características del producto

[de]
Produktmerkmale

- AC pure sine wave output
- Continuous power: 400/800/1200 VA, 230V, 50Hz
- 90% maximum inverter efficency
- Energy Saving function
- 12/24/48V battery
- LED indicators
- Protections:
  Low voltage output disconnect
  Over-temperature
  Short circuit and AC overload
- Power switch
- Pb-lead acid, Pb-AGM, Pb-gel batteries and Lithium batteries
- IP20 metal box

WI Compatibility Table

[es]
Tabla de compatibilidad con WI

[de]
WI-Kompatibilitätstabelle

Model: WI400

Version	PWM	MPPT	SEHM
12V	ALL	ALL	ALL
24V	ALL	ALL	ALL

Model: WI800

Version	PWM	MPPT	SEHM
12V	ALL	ALL	ALL
24V	ALL	ALL	ALL

Model: WI1200

Version	PWM	MPPT	SEHM
24V	ALL	ALL	ALL
48V	WR60	WRM30+	ALL

USER MANUAL WI400

USER MANUAL WI800

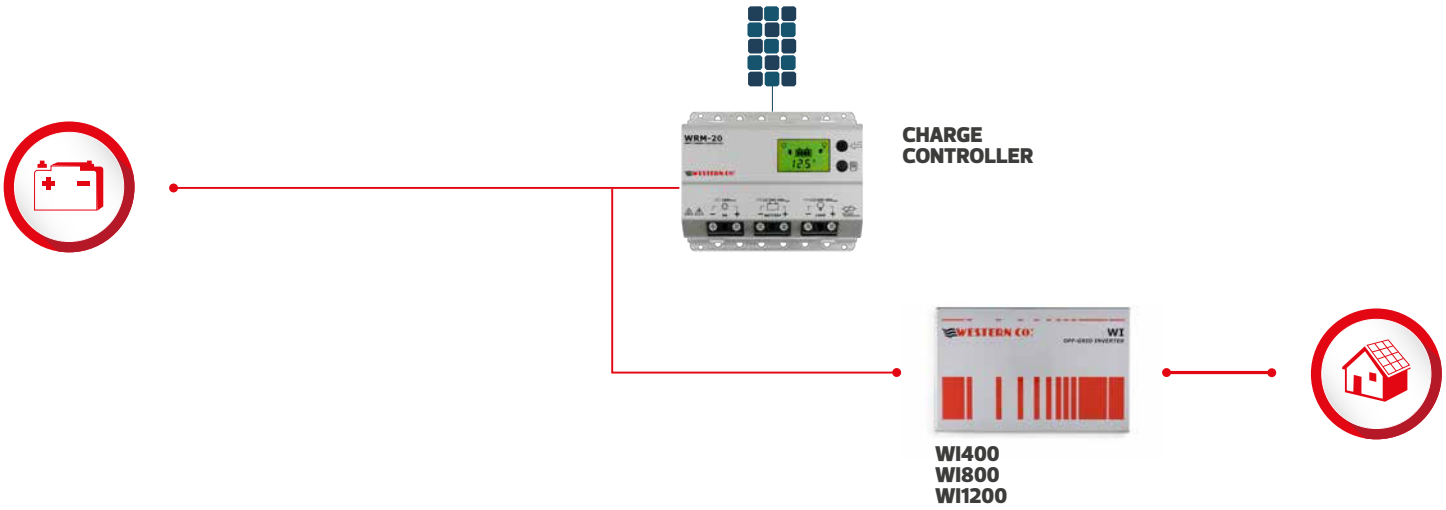
USER MANUAL WI1200

Logic diagram

[es] Diagrama lógico

[de] Logikdiagramm

WI400/WI800/WI1200



Electrical specifications

[es] Especificaciones eléctricas

[de] Elektrische Spezifikationen

	WI400-12			WI400-24		
	Min	Typ	Max	Min	Typ	Max
Output power	-	400VA	700W	-	400VA	400W
Battery voltage	9.2V	12.0V	17.0V	18.4V	24.0V	34.0V
Output voltage (true sinusoidal)	-	230V ± 3%	-	-	230V ± 3%	-
Output frequency	-	50Hz ± 0.1%	-	-	50Hz ± 0.1%	-
Efficiency	-	90%	-	-	90%	-
Self-consumption in stand-by mode	-	2.5W	-	-	2.5W	-
Load activation/energy saving	-	30W/20W	-	-	30W/20W	-
Threshold alert for low Battery	-	11.0V	-	-	22.0V	-
Shutdown threshold for low battery	-	10.5V	-	-	21.0V	-
Reactivation threshold from low battery	-	12.5V	-	-	25.0V	-
Internal over-temperature alarm	-	55°C	-	-	55°C	-
Operating temperature	-40°C	-	60°C	-40°C	-	60°C
Battery wires cross section	10mm²					
AC output connection	Schuko (CEE 7/4)					
Protection degree	IP21					
Weight	3.5Kg					
Dimensions	230x130x85mm					

	WI800-12			WI800-24		
	Min		Max	Min	Typ	Max
Output power	-	800VA	1600W	-	800VA	1600W
Battery voltage	9.2V	12.0V	17.3V	18.4V	24.0V	34.0V
Output voltage (true sinusoidal)	-	230V ± 3%	-	-	230V ± 3%	-
Output frequency	-	50Hz ± 0.1%	-	-	50Hz ± 0.1%	-
Efficiency	-	94%	-	-	94%	-
Self-consumption in stand-by mode	-	5W	-	-	5W	-
Load activation/energy saving	-	30W/20W	-	-	30W/20W	-
Threshold alert for low battery	-	10.9V	-	-	21.8V	-
Shutdown threshold for low battery	-	9.2V	-	-	18.4V	-
Reactivation threshold from low battery	-	12.5V	-	-	25.0V	-
Internal over-temperature alarm	-	55°C	-	-	55°C	-
Operating temperature	-40°C	-	60°C	-40°C	40°C	60°C
Battery wires cross section	25mm²					
AC output connection	Schuko (CEE 7/4)					
Protection degree	IP21					
Weight	7Kg					
Dimensions	305x195x105mm					

	WI1200-24			WI1200-48		
	Min	Typ	Max	Min	Typ	Max
Output power	-	1200VA	2000W	-	1200VA	2400W
Battery voltage	18.4V	24.0V	34.0V	36.8V	48.0V	68.0V
Output voltage (true sinusoidal)	-	230V ± 3%	-	-	230V ± 3%	-
Output frequency	-	50Hz ± 0.1%	-	-	50Hz ± 0.1%	-
Efficiency	-	94%	-	-	94%	-
Self-consumption in stand-by mode	-	8W	-	-	8W	-
Load activation/energy saving	-	30W/20W	-	-	30W/20W	-
Threshold alert for low Battery	-	21.8V	-	-	43.6V	-
Shutdown threshold for low battery	-	18.4V	-	-	36.8 V	-
Reactivation threshold from low battery	-	25.0V	-	-	50.0V	-
Internal over-temperature alarm	-	55°C	-	-	55°C	-
Operating temperature	-40°C	-	60°C	-40°C	-	60°C
Battery wires cross section	25mm²					
AC output connection	Schuko (CEE 7/4)					
Protection degree	IP21					
Weight	11.5Kg					
Dimensions	305x195x105mm					