

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



AC pure sine wave output



Energy Saving function



Protections:
Low voltage output disconnect
Over-temperature
Short circuit and AC overload



IP20 metal box

[es] Características del producto



Continuous power:
400/800/1200 VA,
230V, 50Hz



12/24/48V battery



Power switch

[de] Produktmerkmale



90% maximum inverter
efficiency



LED indicators



Pb-lead acid, Pb-AGM, Pb-gel
batteries and Lithium batteries

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

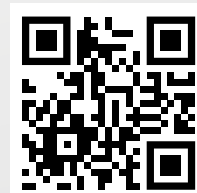


Model: WI1200

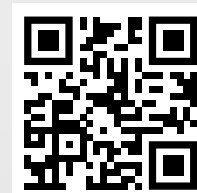
Version	PWM	MPPT	SEHM
24V	ALL	ALL	ALL
48V	WR60	WRM30+	ALL



USER MANUAL
WI400

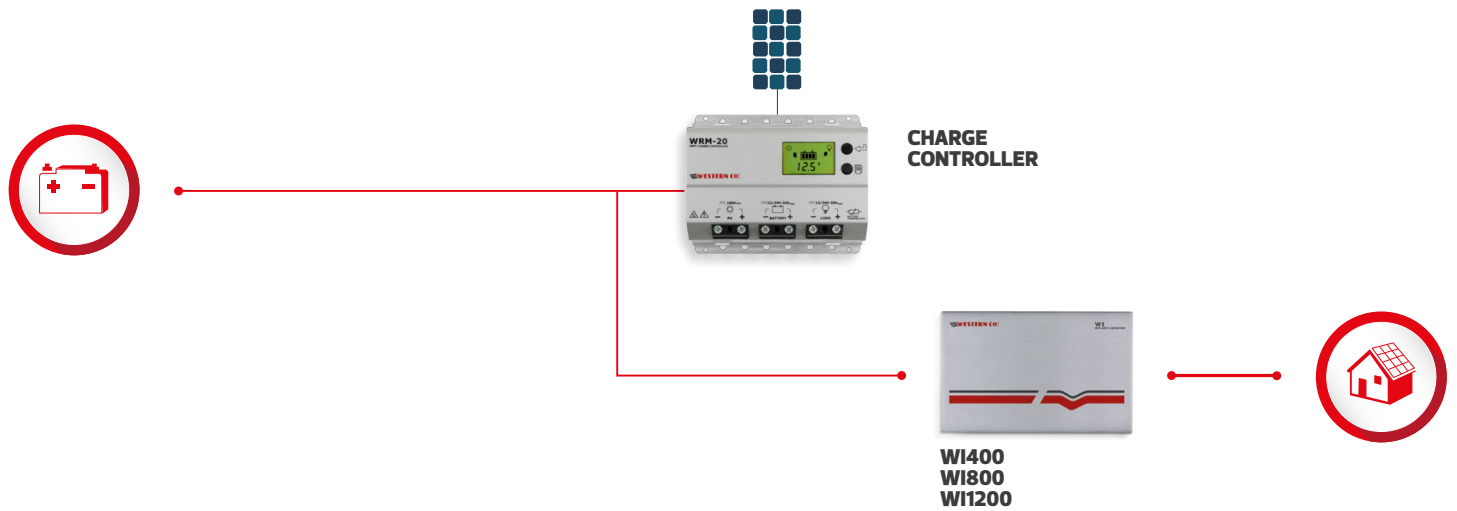


USER MANUAL
WI800



USER MANUAL
WI1200

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	10mm ²					
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	25mm ²					
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	25mm ²					
AC output connection	Schuko (CEE 7/4)					
Protection degree	IP21					
Weight	11.5Kg					
Dimensions	305x195x105mm					