



The SW Inverter/Charger is our most popular battery based power solution for off-grid, utility backup and grid-tie applications. Available in 24 and 48-volt models, it provides utility-grade output power and offers high surge capacity to run most household appliances. The SW offers many programmable features including automatic generator start and stop, and automatic load sensing. Its built-in, fully automatic, three-stage battery charger is designed to bring maximum charge to batteries, while using minimum generator run time and fuel.

Features

- ▶ Available in 4000 and 5500 watt models.
- ▶ Utility grade, sine wave power.
- ▶ Durable construction for long life under extreme environmental conditions.
- ▶ Three-stage battery charging (bulk, absorption, and float) and battery equalization with remote temperature sensor for increased performance.
- ▶ Programmable control module with LCD display and LED indicators.
- ▶ Low idle current (less than one watt) conserves energy when no loads are present.
- ▶ Soft-start capability for starting heavy loads.
- ▶ Built-in starting control circuits for two and three-wire generator starting systems.

Expandable & Flexible

- ▶ Parallel stacking capability for more power at the same voltage (optional equipment is required).
- ▶ Three-phase configurations available in a Power Module System for industrial quality power in remote locations (optional equipment is required; only available on 48-volt models).

Xantrex Technology Inc.

Customer Service/Technical Support

customerservice@xantrex.com

Toll free: 1-800-670-0707

www.xantrex.com

This document is printed on acid free,
10% post-consumer, elemental chlorine
free Productolith paper stock.

Electrical Specifications

Models	SW4024	SW4048	SW5548
AC input voltage	120 Vac	120 Vac	120 Vac
AC input voltage range	80-149 Vac	80-149 Vac	80-149 Vac
AC input current	60 Aac pass through	60 Aac pass through	60 Aac pass through
	30 Aac charging	30 Aac charging	35 Aac charging
Continuous power (@ 25 °C)	4000 VA	4000 VA	5500 VA
Efficiency (peak)	94%	95%	96%
Output voltage (RMS)	120 Vac	120 Vac	120 Vac
Output voltage regulation	± 3%	± 3%	± 3%
Frequency	60 Hz	60 Hz	60 Hz
			Nominal ± 0.04% crystal controlled
Continuous output (@ 25 °C)	33 Aac	33 Aac	46 Aac
100 mSec surge capability	78 Aac	78 Aac	78 Aac
Automatic transfer relay	60 A	60 A	60 A
DC input voltage (nominal)	24 Vdc	48 Vdc	48 Vdc
DC input voltage range	22-33 Vdc	44-66 Vdc	44-66 Vdc
DC current at rated power	200 Adc	100 Adc	140 Adc
Idle consumption (typ at full voltage)	< 16 W	< 16 W	< 20 W
Search mode consumption	< 1 W	< 1 W	< 1 W
Low battery protection (enabled)	Adjustable low-battery cut out and cut in (all models)		
Max. continuous charge rate	110 Adc	60 Adc	70 Adc
Total harmonic distortion	< 5%	< 5%	< 5%
Waveform	Sine wave, 34 to 52 steps per cycle		
Load sensing (inverter mode)	Adjustable, 0 to over 200 W (48 W default)		
Power factor (allowed)	-1.0 to 1.0	-1.0 to 1.0	-1.0 to 1.0

General Specifications

Specified temperature range	32 °F to 77 °F (0 °C to 25 °C)		
Enclosure type	Indoor, ventilated, steel chassis with powdercoat finish		
Unit weight	105 lb (48 kg)	105 lb (48 kg)	136 lb (63 kg)
Shipping	111 lb (50 kg)	111 lb (50 kg)	143 lb (65 kg)
Inverter dimensions (H x W x D)	15 x 22.5 x 9" (380 x 570 x 230 mm)		
Shipping dimensions (H x W x D)	20 x 27 x 15" (520 x 690 x 400 mm)		
Mounting	Wall mount		
Warranty	Two years		
Part numbers	SW4024, SW4048, SW5548		

Features & Options

Forced air cooling	Standard variable speed brushless DC fans
Three-stage charging	Standard three-stage with equalization (bulk, absorption, and float)
Control panel	Standard built-in, two-line, backlit, alphanumeric LCD with eight LED indicators
Auto generator control system	Standard automatic generator control system for two and three-wire start generators
Auxiliary relays	Standard three-user adjustable voltage-controlled signal relays for control of loads or charging sources
Battery temperature sensor	BTS - standard remote battery temperature sensor for increased battery performance
Remote control	SWRC - optional remote control and status indicator with standard 25' cable (optional 50' cable is available)
Stacking interface	SWI - optional for series stacking of two identical SW units for 120/240 Vac output
	SWI/PAR - optional for paralleling two identical SW units for twice the power output at 120 Vac/60 Hz
Conduit box	SWCB - optional side mount conduit box for code-compliant DC wiring connections
Grid-tie interface	GTI - optional grid-tie interface - required for utility-interactive operation

Regulatory Approvals

CSA Listed to UL 1741 and to CSA 22.2 No 107.1 -95