

# Proven value for off-grid, backup power and self-consumption

## SW inverter/charger

The SW is a pure sine wave inverter that provides reliable power after a simple installation. The unique features of the SW adds value for both installers and system owners globally.



### Solution at a glance

Delivering proven value at a competitive price, the SW inverter/charger provides the best value for off-grid solar, self-consumption and long-term backup for homes, small business and small remote communities.

- **High reliability** design proven through extreme testing under the harshest conditions.
- Leading performance in **surge capability** and charging efficiency.
- Most advanced **energy optimization** configurable features with the ability to cover a wide variety of applications.
- Complete balance of system and comprehensive commissioning tools for **easy-installation**.
- **Plug and play** monitoring and control based on Xanbus network.
- **Simple** to install, maintain and operate.



Off-grid solar



Backup power



Self-consumption

# SW Inverter/charger

## Technical Specifications - North America

	SW 4024 120/240	SW 4048 120/240
<b>Electrical specifications - inverter</b>		
Output power (continuous) at 25°C	3400 W	3800 W
Output power (30 min) at 25°C	4000 W	4400 W
Output power (5 sec) at 25°C	7000 W	7000 W
Peak current	41 A	41 A
Output frequency	50 / 60 Hz selectable	50 / 60 Hz selectable
Output voltage	120 / 240 Vac	120 / 240 Vac
Output wave form	True sine wave	True sine wave
Optimal efficiency	92%	94%
Idle consumption search mode	<11 W	<11 W
Input DC voltage range	20 - 34 Vdc	40 - 68 Vdc
AC connections	Single / Split phase	Single / Split phase
<b>Electrical specifications - charger</b>		
Output current	90 A	45 A
Nominal output voltage	24 Vdc	48 Vdc
Output voltage range	12 - 32 Vdc	24 - 64 Vdc
Charge control	2 or 3 stage	2 or 3 stage
Charge temperature compensation	Yes - BTS included	Yes - BTS included
Optimal efficiency	90%	92%
AC input power factor	> 0.98	> 0.98
Input current	13 A	12 A
Input AC voltage	120 / 240 Vac split phase	120 / 240 Vac split phase
Input AC voltage range line to neutral	95 - 135 Vac single phase 170 - 270 Vac	95 - 135 Vac single phase 170 - 270 Vac
Dead battery charge	Yes	Yes
<b>General specifications</b>		
Tare loss	29 W	27 W
Compatible battery types	FLA, Gel, AGM, Custom	FLA, Gel, AGM, Custom
Transfer relay rating	30 A	30 A
Transfer time (AC to inverter and inverter to AC)	<1 cycle (16.7ms)	<1 cycle (16.7ms)
Optimal operating temperature range	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
Storage ambient temperature range	-40°C to 85°C (-40°F to 185°F)	-40°C to 85°C (-40°F to 185°F)
Humidity Operation / storage	< 95% RH, non condensing	< 95% RH, non condensing
Ingress protection rating	Indoor only, IP20	Indoor only, IP20
Altitude (operating)	2000 m (6562 ft)	2000 m (6562 ft)
Product weight	28.1 kg (62.0 lb)	28.1 kg (62.0 lb)
Shipping weight	35.0 kg (77.2 lb)	35.0 kg (77.2 lb)
Product dimensions (H x W x D)	41.8 x 34.1 x 19.7 cm (16.5 x 13.4 x 7.6 in)	41.8 x 34.1 x 19.7 cm (16.5 x 13.4 x 7.6 in)
Shipping dimensions (H x W x D)	56.0 x 44.0 x 32.0 cm (22.0 x 17.3 x 12.6 in)	56.0 x 44.0 x 32.0 cm (22.0 x 17.3 x 12.6 in)
System network and remote monitoring	Available	Available
Warranty	Please refer to our website, SESolar.com for the latest version of the warranty statement.	
Part number	865-4024-21	865-4048-21
<b>Regulatory approvals</b>		
Safety	c(CSA) us mark CSA C22.2, No. 107.1-01 UL1741 Ed.2	
EMC	FCC Part 15 Class B	
<b>Compatible Products Part Numbers</b>		
Power Distribution Panels	Universal DC distribution panel (865-1016), AC distribution panel (120/240 V) (865-1017)	
MPPT Charge Controllers	MPPT 100 600 (865-1034), MPPT 80 600 (865-1032), MPPT 60 150 (865-1030-1)	
Monitoring	InsightHome (865-0330), InsightFacility (865-0335), Insight	
Accessories	Automatic Generator Start (865-1060-01), Battery Monitor (865-1080-01), Configuration Tool (865-1155-01)	