

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

## SW inverter/charger

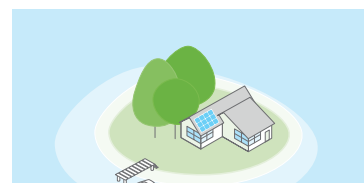
The SW is a pure sine wave inverter that provides reliable power after a simple installation. The unique features of the SW adds value for both installers and system owners globally.



### 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

| Device short name                                 | SW 2524 120/240 (Discontinued)   | SW 4024 120/240                                  | SW 4048 120/240                                  |
|---|--|--|--|
| <b>Electrical specifications - inverter</b>       |  |  |  |
| Output power (continuous) at 25°C                 | 3000 W   | 3400 W   | 3800 W   |
| Output power (30 min) at 25°C                     | 3300 W   | 4000 W   | 4400 W   |
| Output power (5 sec) at 25°C                      | 5000 W   | 7000 W   | 7000 W   |
| Peak current                                      | 24.3 A   | 41 A   | 41 A   |
| Output frequency                                  | 50 / 60 Hz selectable  | 50 / 60 Hz selectable                            | 50 / 60 Hz selectable                            |
| Output voltage                                    | 120 / 240 Vac  | 120 / 240 Vac                                    | 120 / 240 Vac                                    |
| Output wave form                                  | True sine wave   | True sine wave                                   | True sine wave                                   |
| Optimal efficiency                                | 91.5%  | 92%  | 94%  |
| Idle consumption search mode                      | <11 W  | <11 W  | <11 W  |
| Input DC voltage range                            | 20 - 34 Vdc  | 20 - 34 Vdc                                      | 40 - 68 Vdc                                      |
| AC connections                                    | Single / Split phase   | Single / Split phase                             | Single / Split phase                             |
| <b>Electrical specifications - charger</b>        |  |  |  |
| Output current                                    | 65 A   | 90 A   | 45 A   |
| Nominal output voltage                            | 24 Vdc   | 24 Vdc   | 48 Vdc   |
| Output voltage range                              | 12 - 32 Vdc  | 12 - 32 Vdc                                      | 24 - 64 Vdc                                      |
| Charge control                                    | 2 or 3 stage   | 2 or 3 stage                                     | 2 or 3 stage                                     |
| Charge temperature compensation                   | Yes - BTS included   | Yes - BTS included                               | Yes - BTS included                               |
| Optimal efficiency                                | 90%  | 90%  | 92%  |
| AC input power factor                             | > 0.98   | > 0.98   | > 0.98   |
| Input current                                     | 9 A  | 13 A   | 12 A   |
| Input AC voltage                                  | 120 / 240 Vac split phase  | 120 / 240 Vac split phase                        | 120 / 240 Vac split phase                        |
| Input AC voltage range line to neutral            | 95 - 135 Vac single phase<br>170 - 270 Vac   | 95 - 135 Vac single phase<br>170 - 270 Vac       | 95 - 135 Vac single phase<br>170 - 270 Vac       |
| Dead battery charge                               | Yes  | Yes  | Yes  |
| <b>General specifications</b>                     |  |  |  |
| Tare loss   | <b>24 W</b>  | <b>29 W</b>                                      | <b>27 W</b>                                      |
| Compatible battery types                          | FLA, Gel, AGM, Custom  | FLA, Gel, AGM, Custom                            | FLA, Gel, AGM, Custom                            |
| Transfer relay rating                             | 30 A   | 30 A   | 30 A   |
| Transfer time (AC to inverter and inverter to AC) | <1 cycle (16.7 ms)   | <1 cycle (16.7ms)                                | <1 cycle (16.7 ms)                               |
| Optimal operating temperature range               | -20°C to 60°C (-4°F to 140°F)  | -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)                   | -40°C to 85°C (-40°F to 185°F)                   |
| Humidity Operation / storage                      | ≤ 95% RH, non condensing   | ≤ 95% RH, non condensing                         | ≤ 95% RH, non condensing                         |
| Ingress protection rating                         | Indoor only, IP20  | Indoor only, IP20                                | Indoor only, IP20                                |
| Altitude (operating)                              | 2000 m (6562 ft)   | 2000 m (6562 ft)                                 | 2000 m (6562 ft)                                 |
| Product weight                                    | 22.3 kg (49.0 lb)  | 28.1 kg (62.0 lb)                                | 28.1 kg (62.0 lb)                                |
| Shipping weight                                   | 27.2 kg (60.0 lb)  | 35.0 kg (77.1 lb)                                | 35.0 kg (77.1 lb)                                |
| Product dimensions (H x W x D)                    | 41.8 x 34.1 x 19.7 cm<br>(16.5 x 13.4 x 7.6 in)  | 41.8 x 34.1 x 19.7 cm<br>(16.5 x 13.4 x 7.6 in)  | 41.8 x 34.1 x 19.7 cm<br>(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<br>(22.0 x 17.3 x 12.6 in)   | 56.0 x 44.0 x 32.0 cm<br>(22.0 x 17.3 x 12.6 in) | 56.0 x 44.0 x 32.0 cm<br>(22.0 x 17.3 x 12.6 in) |
| System network and remote monitoring              | Available  | Available  | Available  |
| Warranty  | Please refer to our website, SEsolar.com for the latest version of the warranty statement. |  |  |
| Part number                                       | 865-2524 (Discontinued)  | 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>           |  |  |  |
| Universal DC distribution panel                   | 865-1016   |  |  |
| AC distribution panel (120/240 V)                 | 865-1017   |  |  |
| Conext MPPT 80 600 or 60 150                      | 865-1032 or 865-1030-1   |  |  |
| Conext Gateway                                    | 865-0329   |  |  |
| Conext System Control Panel                       | 865-1050-01  |  |  |
| Conext Automatic Generator Start                  | 865-1060-01  |  |  |
| Conext Battery Monitor                            | 865-1080-01  |  |  |
| Conext Configuration Tool                         | 865-1155-01  |  |  |

Specifications are subject to change without notice.