

# Conext SW Inverter/charger

## Technical Specifications - North America

| Device short name                                    | SW 2524 120/240                                    | 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 (Depending on the country of installation)  | 2 or 5 years                                       | 2 or 5 years                                     | 2 or 5 years                                     |
| Part number  | 865-2524   | 865-4024   | 865-4048   |
| <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</b>                           |  |  |  |
| Universal DC distribution panel                      | 865-1016   |  |  |
| AC distribution panel (120/240 V)                    | 865-1017   |  |  |
| Conext System Control Panel                          | 865-1050-01  |  |  |
| Conext Automatic Generator Start                     | 865-1060-01  |  |  |
| Conext ComBox  | 865-1058   |  |  |
| Conext MPPT 80 600 or 60 150 solar charge controller | 865-1032 or 865-1030-1                             |  |  |
| Conext SW On/Off Remote Switch                       | 865-1052   |  |  |
| Conext Battery Monitor                               | 865-1080-01  |  |  |
| Conext SW Stacking Kit                               | 865-1019 for 120 / 240 Vac                         |  |  |
| Conext Configuration Tool                            | 865-1155-01  |  |  |