

Conext SW inverter/charger

New value in off-grid solar and backup power solutions

Conext™ SW delivers new value and a new price point to the marketplace in 2013. Conext SW is a pure sine wave, inverter/charger system with switchable 50/60 Hz functionality available for both 120/240 VAC or 230 VAC models.

North American units feature split-phase input and output without the need for an external transformer. Available DC and AC switchgear panels, display control panel, remote monitoring and automated generator control modules present even more value. Stacking Conext SW units will double the power and available solar charge controllers allow for the integration of solar capacity as required.

Why choose Conext SW?



True bankability

- Warranty from a trusted partner with over 175 years of experience
- World leader in industrial power drives, UPS and electrical distribution
- Strong service infrastructure worldwide to support your global needs



Higher return on investment

- Cost effective residential and community system
- Harness the continuously declining production cost of solar power



Flexible

- All models support both 50 Hz and 60 Hz output
- Support stackable power up to 8 kW



Easy to service

- Remote monitoring and configuration
- Global support



Easy to install

- Configures quickly into compact wall mounted system
- Companion switchgear integrates inverter with battery bank and solar charge controllers



Product applications



Residential backup power



Off-grid solar



Community electrification

| Device short name | SW 2524 120 | SW 4024 120 | SW 2524 230 | SW 4024 230 |
|---|---|---|--|--|
| Electrical specifications - inverter | | | | |
| Output power continuous | 2500 W | 3400 W | 2500 W | 3500 W |
| Output power (30 min) | 2700 W | 4000 W | 2800 W | 4000 W |
| Surge rating | 4000 W (5 seconds) | 7000 W (5 seconds) | 5000 W (5 seconds) | 7000 W (5 seconds) |
| Peak current | 24.3 A | 41 A | 24.3 A | 42 A |
| Output frequency | 50 / 60 Hz selectable | 50 / 60 Hz selectable | 50 / 60 Hz selectable | 50 / 60 Hz selectable |
| Output voltage | 120 / 240 Vac | 120 / 240 Vac | 230 Vac | 230 Vac |
| Output wave form | True sine wave | True sine wave | True sine wave | True sine wave |
| Optimal efficiency | 91.5% | 92% | 91.5% | 92% |
| Idle consumption search mode | <8 W | <8 W | <8 W | <8 W |
| Input DC voltage range | 20 - 34 Vdc | 20 - 34 Vdc | 20 - 34 Vdc | 20 - 34 Vdc |
| AC connections | Single / Split phase | Single / Split phase | Single phase | Single phase |
| Electrical specifications - charger | | | | |
| Output current | 65 A | 90 A | 65 A | 90 A |
| Nominal output voltage | 24 Vdc | 24 Vdc | 24 Vdc | 24 Vdc |
| Output voltage range | 12 - 32 Vdc | 12 - 32 Vdc | 12 - 32 Vdc | 12 - 32 Vdc |
| Charge control | 3 stage | 3 stage | 3 stage | 3 stage |
| Charge temperature compensation | Yes - BTS included | Yes - BTS included | Yes - BTS included | Yes - BTS included |
| Optimal efficiency | 90% | 90% | 90% | 90% |
| AC input power factor | > 0.98 | > 0.98 | > 0.98 | > 0.98 |
| Input current | 9 A | 13 A | 10.6 A | 14.0 A |
| Input AC voltage | 120 / 240 Vac split phase | 120 / 240 Vac split phase | 230 Vac | 230 Vac |
| Input AC voltage range line to neutral | 95 - 135 Vac single phase 135 - 270 Vac split phase | 95 - 135 Vac single phase 135 - 270 Vac split phase | 170 - 270 Vac | 170 - 270 Vac |
| Dead battery charge | Yes | Yes | Yes | Yes |
| General specifications | | | | |
| Compatible battery types | FLA, Gel, AGM, Custom | FLA, Gel, AGM, Custom | FLA, Gel, AGM, Custom | FLA, Gel, AGM, Custom |
| Transfer relay rating | 30 A | 30 A | 30 A | 30 A |
| Transfer time | <1 cycle (16.7 ms) | <1 cycle (16.7 ms) | <1 cycle (20 ms) | <1 cycle (20 ms) |
| (AC to inverter and inverter to AC) | | | | |
| 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) | -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) | -40°C to 85°C (-40°F to 185°F) |
| Product weight | 23.0 kg (50.6 lb) | 30.5 kg (67.1 lb) | 23.0 kg (50.6 lb) | 30.5 kg (67.1 lb) |
| Shipping weight | 27.2 kg (60.0 lb) | 35.0 kg (77.0 lb) | 27.2 kg (60.0 lb) | 35.0 kg (77.0 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) | 38.7 x 34.3 x 19.7 cm (15.2 x 13.5 x 7.6 in) | 38.7 x 34.3 x 19.7 cm (15.2 x 13.5 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) | 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 | Available | Available |
| Warranty | Two-year standard | Two-year standard | Two-year standard | Two-year standard |
| Part number | 865-2524 | 865-4024 | 865-2524-61 | 865-4024-61 |
| Regulatory approvals | | | | |
| Safety | c(CSA) us mark CSA C22.2 No. 107.1-01 UL1741 Ed.2 | c(CSA) us mark CSA C22.2 No. 107.1-01 UL1741 Ed.2 | CE mark RCM mark IEC/EN62109-1, IEC/EN62109-2 | CE mark RCM mark IEC/EN62109-1, IEC/EN62109-2 |

Specifications are subject to change without notice.

Conext SW works with the following Schneider Electric products



Universal DC Breaker Panel
Product no. 865-1016



AC Breaker Panel (120/240 V)
Product no. 865-1017



AC Breaker Panel (230 V)
Product no. 865-1017-61



System Control Panel (SCP)
Product no. 865-1050



Automatic Generator Start (AGS)
Product no. 865-1060



Conext ComBox communication device
Product no. 865-1058



MPPT 60 150 solar charge controller
Product no. 865-1030-1