

# 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
<b>Electrical specifications - inverter</b>				
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
<b>Electrical specifications - charger</b>				
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
<b>General specifications</b>				
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
<b>Regulatory approvals</b>				
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