Conext XW inverter/charger (120 / 240 V / 60 Hz)

One solution for global power

Conext™ XW is an adaptable pure sine wave, single-phase, split-phase or three-phase inverter/charger system with global grid-tie functionality and dual AC power inputs. Available solar charge controllers, monitoring, and automated generator control modules enable further adaptability. From single Conext XW unit to multiple clusters of units, up to 36 kW each, the Conext XW is a scalable system that allows for the integration of solar capacity as required.

Adaptable and scalable, the Schneider Electric™ Conext XW system is the one solution for global grid-interactive and off-grid, residential and commercial, solar and backup power applications.

Why choose Conext XW (120 V / 240 v / 60 Hz)?

- **True bankability**
  - Warranty from a trusted partner with 178 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**
  - Harness the continuously declining production cost of solar power
  - Hybrid integration of generator reduces diesel fuel costs

- **Designed for reliability**
  - Robust design through rigorous reliability testing (HALT)
  - Proven field performance: 7 years with high reliability, globally in multiple applications and environments

- **Flexible**
  - Adapts to single, split-phase or three-phase systems
  - Scales to 36 kW for commercial or large electrification installations
  - Supports DC coupled and AC coupled solutions

- **Easy to service**
  - Remote monitoring and configuration
  - Replaceable boards and components
  - Global support

- **Easy to install**
  - Devices configure quickly into a stylish wall mounted system
  - Inverters connect both grid and generator power with dual AC input
  - Power distribution panel integrates inverters with battery bank and solar charge controllers

Product applications

- Commercial grid-tie solar with backup power
- Residential grid-tie solar with backup power
- Off-grid solar
- Community electrification
- Self-consumption

solar.schneider-electric.com
Conext XW works with the following Schneider Electric products:

**XW Power Distribution Panel**
Product no. 865-1015

**XW Connection Kit**
Product no. 865-1020

**System Control Panel**
Product no. 865-1050-01

**Automatic Generator Start**
Product no. 865-1060-01

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

**Conext MPPT 80 600 solar charge controller**
Product no. 865-1032

**Conext XW Configuration Tool**
Product no. 865-1155

**Conext Combox**
Communication device
Product no. 865-1058

**Electrical specifications**

<table>
<thead>
<tr>
<th>Device short name</th>
<th>XW4024 120 240 60</th>
<th>XW4548 120 240 60</th>
<th>XW6048 120 240 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output power (continuous) at 40°C</td>
<td>4.0 kVA</td>
<td>4.5 kVA</td>
<td>6.0 kVA</td>
</tr>
<tr>
<td>Output power (surge) at 40°C</td>
<td>8.0 kVA (20 sec)</td>
<td>9.0 kVA (15 sec)</td>
<td>12.0 kVA (15 sec)</td>
</tr>
<tr>
<td>Peak output current (rms) sec</td>
<td>L-N: 70 A (20 sec), L-L: 75 A (20 sec)</td>
<td>L-N: 75 A (20 sec), L-L: 40 A (20 sec)</td>
<td>L-N: 105 A (15 sec), L-L: 52.5 A (15 sec)</td>
</tr>
<tr>
<td>Input current at rated power</td>
<td>178 A</td>
<td>96 A</td>
<td>130 A</td>
</tr>
<tr>
<td>Type of signal</td>
<td>True sine wave</td>
<td>True sine wave</td>
<td>True sine wave</td>
</tr>
<tr>
<td>Automatic transfer relay</td>
<td>60 A</td>
<td>60 A</td>
<td>60 A</td>
</tr>
<tr>
<td>Typical transfer time</td>
<td>8 ms</td>
<td>8 ms</td>
<td>8 ms</td>
</tr>
<tr>
<td>DC input voltage (nominal)</td>
<td>25.2 V</td>
<td>50.4 V</td>
<td>50.4 V</td>
</tr>
<tr>
<td>Input voltage limits</td>
<td>20 to 32 V</td>
<td>40 to 64 V</td>
<td>40 to 64 V</td>
</tr>
<tr>
<td>Charging current</td>
<td>150 A</td>
<td>85 A</td>
<td>100 A</td>
</tr>
<tr>
<td>Power factor corrected charging</td>
<td>0.98</td>
<td>0.98</td>
<td>0.98</td>
</tr>
<tr>
<td>Auxiliary relay output</td>
<td>0 to 12 V, maximum 250 mA DC</td>
<td>0 to 12 V, maximum 250 mA DC</td>
<td>0 to 12 V, maximum 250 mA DC</td>
</tr>
<tr>
<td>Idle consumption (search mode)</td>
<td>&lt; 8 W</td>
<td>&lt; 8 W</td>
<td>&lt; 8 W</td>
</tr>
<tr>
<td>AC input voltage (nominal)</td>
<td>120 / 240 V split-phase</td>
<td>120 / 240 V split-phase</td>
<td>120 / 240 V split-phase</td>
</tr>
<tr>
<td>AC output voltage</td>
<td>L-N: 120 V +/- 3%; L-L: 240 V +/- 3%</td>
<td>L-N: 120 V +/- 3%; L-L: 240 V +/- 3%</td>
<td>L-N: 120 V +/- 3%; L-L: 240 V +/- 3%</td>
</tr>
<tr>
<td>Input voltage limits (bypass/charge mode)</td>
<td>L-N: 78 to 140 V (120 V nominal), L-L: 160 to 270 V (240 V nominal)</td>
<td>L-N: 106 to 132 +/- 1.5 V; L-L: 214 to 260 +/- 3.0 V (automatically adjusts when entering sell mode)</td>
<td>L-N: 106 to 132 +/- 1.5 V; L-L: 214 to 260 +/- 3.0 V (automatically adjusts when entering sell mode)</td>
</tr>
<tr>
<td>AC1 voltage range (sell mode)</td>
<td>60 +/-0.1 Hz</td>
<td>60 +/-0.1 Hz</td>
<td>60 +/-0.1 Hz</td>
</tr>
<tr>
<td>Frequency</td>
<td>55 to 65 Hz (default); 44 - 70 Hz (allowable)</td>
<td>59.4 to 60.4 +/- 0.05 Hz (automatically adjusts when entering sell mode)</td>
<td>Total harmonic distortion (THD) at rated power</td>
</tr>
<tr>
<td>AC connections</td>
<td>AC1 (Grid), AC2 (Generator)</td>
<td>AC1 (Grid), AC2 (Generator)</td>
<td>AC1 (Grid), AC2 (Generator)</td>
</tr>
<tr>
<td>AC input breaker</td>
<td>60 A two-pole</td>
<td>60 A two-pole</td>
<td>60 A two-pole</td>
</tr>
<tr>
<td>Utility interactive</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>CEC power rating</td>
<td>4.0 kW</td>
<td>4.5 kW</td>
<td>5.760 kW</td>
</tr>
<tr>
<td>Efficiency</td>
<td>Peak</td>
<td>94.0%</td>
<td>95.6%</td>
</tr>
<tr>
<td></td>
<td>CEC weighted</td>
<td>91.0%</td>
<td>93.0%</td>
</tr>
</tbody>
</table>

**General specifications**

- **NEMA degree of protection**: NEMA1R (indoor rating) (sensitive electronic components sealed inside enclosure)
- **Product weight**: 52.5 kg (116.0 lb), 53.5 kg (118.0 lb), 55.2 kg (121.7 lb)
- **Shipping weight**: 74.0 kg (163.0 lb), 75.0 kg (165.0 lb), 76.7 kg (169.0 lb)
- **Product dimensions (H x W x D)**: 58 x 41 x 23 cm (23.0 x 16.0 x 9.0 in), 58 x 41 x 23 cm (23.0 x 16.0 x 9.0 in), 58 x 41 x 23 cm (23.0 x 16.0 x 9.0 in)
- **Shipping dimensions (H x W x D)**: 71.1 x 56.5 x 26.7 cm (28.0 x 22.3 x 10.5 in), 71.1 x 56.5 x 26.7 cm (28.0 x 22.3 x 10.5 in), 71.1 x 56.5 x 26.7 cm (28.0 x 22.3 x 10.5 in)
- **Ambient air temperature for operation**: -25 to 70°C (-13 to 158°F) (power derated above 45°C (113°F))
- **System network and remote monitoring**: Available
- **Warranty (Depending on the country of installation)**: 2 or 5 years
- **Part number**: 865-1010, 865-1005, 865-1000-01

**Features and options**

- **Display type**: Status LEDs indicate AC In status, faults/warnings, equalize mode, battery level. Three-character display indicates output power or charge current, fault/warning codes. On/off and equalize buttons
- **Supported battery types**: Flooded (default), Gel, AGM, custom
- **Battery bank size**: 100 to 2000 Ah (scaled to PV array size)
- **Battery temperature sensor**: Included
- **Multiple-unit configurations**: Split-phase: up to four parallel units in 120/240 V. Three-phase: up to two units per phase (six units total)

**Regulatory approvals**

- **Safety**: UL1741, CSA 107.1
- **EMC**: FCC and Industry Canada Class B
- **Interconnect**: IEEE 1547 and CSA 107.1

Specifications are subject to change without notice.