

Conext™ XW inverter/charger (230 V / 50 Hz)

One solution for global power

Conext XW is an adaptable pure sine wave, single-phase and 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 (230 V / 50 Hz)?



True bankability

- Warranty from a trusted partner with over 177 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 and 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



Product applications



Residential, backup power and grid-tie



Off-grid solar



Community electrification





Small commercial, backup power and grid-tie



| Device short name | XW4024 230 50 | XW4548 230 50 | XW6048 230 50 |
|---|---|--|--|
| Electrical specifications | | | |
| Output power (continuous) at 40°C | 4.0 kVA | 4.5 kVA | 6.0 kVA |
| Output power (surge) at 40°C | 8.0 kVA (20 sec) | 9.0 kVA (15 sec) | 12.0 kVA (15 sec) |
| Output current | 17.4 A | 19.6 A | 26.1 A |
| Peak output current (rms) | 35 A | 40 A | 53 A |
| Input current at rated power | 178 A | 96 A | 131 A |
| Type of signal | True sine wave | True sine wave | True sine wave |
| Automatic transfer relay | 56 A | 56 A | 56 A |
| Typical transfer time | 8 ms | 8 ms | 8 ms |
| DC input voltage (nominal) | 25.2 V | 50.4 V | 50.4 V |
| Input voltage limits | 20 to 32 V | 40 to 64 V | 40 to 64 V |
| Charging current | 150 A | 85 A | 100 A |
| Power factor corrected charging | 0.98 | 0.98 | 0.98 |
| Auxiliary relay output | 0 to 12 V, maximum 250 mA DC | 0 to 12 V, maximum 250 mA DC | 0 to 12 V, maximum 250 mA DC |
| Power consumption (search mode) | < 7 W | < 7 W | < 7 W |
| AC input voltage (nominal) | 230 V +/- 3% | 230 V +/- 3% | 230 V +/- 3% |
| Input voltage limits (bypass/charge mode) | 165 to 280 V (230 V nominal) | 165 to 280 V (230 V nominal) | 165 to 280 V (230 V nominal) |
| Frequency | 50 Hz +/- 0.1 Hz | 50 Hz +/- 0.1 Hz | 50 Hz +/- 0.1 Hz |
| AC input frequency range (bypass/charge mode) | 40 to 68 Hz (50 Hz nominal) | 40 to 68 Hz (50 Hz nominal) | 40 to 68 Hz (50 Hz nominal) |
| Total harmonic distortion (THD) | < 5% at rated power | < 5% at rated power | < 5% at rated power |
| AC connections | AC1 (Grid), AC2 (Generator) | AC1 (Grid), AC2 (Generator) | AC1 (Grid), AC2 (Generator) |
| AC input breaker | 60 A single-pole | 60 A single-pole | 60 A single-pole |
| Efficiency | | | |
| Peak | 94.0% | 95.6% | 95.4% |
| General specifications | | | |
| IP degree of protection | IP20 (sensitive electric 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 x 16 x 9 in) | 58 x 41 x 23 cm (23 x 16 x 9 in) | 58 x 41 x 23 cm (23 x 16 x 9 in) |
| Shipping dimensions (H x W x D) | 71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in) | 71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in) | 71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in) |
| Device mounting | Wall mount (backplate included) | | |
| Ambient air temperature for operation | -25°C to 70°C (-13°F 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 | 865-1045-61 | 865-1040-61 | 865-1035-61 |
| Features and options | | | |
| Display type | Status LEDs indicate AC In status, faults/warnings, equalize mode, On/Off and equalize button battery level. Three-character display indicates output power or charge current | | |
| Supported battery types | Flooded (default), Gel, AGM, custom | | |
| Battery bank size | 100 to 2000 Ah (scaled to PV array size) | | |
| Battery temperature sensor | Included | | |
| Non volatile memory | Yes | | |
| Multiple unit configurations | Single-phase: up to four parallel units. Three-phase: two units per phase | | |
| Regulatory approval | | | |
| CE marked according to the following EU directives and standards: | | | |
| EMC directive | EN61000-6-1, EN61000-6-3, EN61000-3-2, EN61000-3-3 | | |
| Low voltage directive | EN50178 | | |
| RCM marked and compliant | AS 4777.2, AS 4777.3, AS/NZS 3100 | | |

Specifications are subject to change without notice.

Conext XW works with the following Schneider Electric products

| | | | | | |
|---|--|---|--|---|--|
|  | XW Power Distribution Panel Product no. 865-1015 |  | XW Conection Kit Product no. 865-1020 |  | System Control Panel Product no. 865-1050 |
|  | Automatic Generator Start Product no. 865-1060 |  | MPPT 60 150 solar charge controller Product no. 865-1030-1 |  | MPPT 80 600 solar charge controller Product no. 865-1032 |
|  | XW Configuration Tool Product no. 865-1155 |  | Conext Combox Communication device Product no. 865-1058 | | |