

NEW Conext XW+ NA inverter/charger

One solution for global power needs

Conext™ XW+ is an adaptable single-phase and three-phase inverter/charger system with grid-tie functionality and dual AC power inputs. Available solar charge controllers, monitoring, and automated generator control modules enable further adaptability. From a single Conext XW+ unit to clusters up to 102 kW, 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 grid-interactive and off-grid, residential and commercial, solar and backup power applications.

Why choose Conext XW+ NA?



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

- Excellent load starting with high 30-minute and 5-second power
- Performs in hot environments up to 70°C
- Intelligent functionality enables solar prioritization, load shifting, peak shaving, and assists small generators with heavy loads
- Backup power with grid-tie functionality converts external DC power to AC power for export to the utility grid



Flexible

- Single or three phase systems from 7.0 kW to 102 kW
- Supports DC coupled and AC coupled off-grid and grid-tie architectures
- Supports charging of Lithium Ion battery packs



Easy to service

- Field serviceable with replacement boards and spare parts
- Monitor, troubleshoot or upgrade firmware with Conext ComBox



Designed for reliability

- Extensive quality and reliability testing
- Highly Accelerated Life Testing (HALT)
- Globally proven and recognized field performance



Easy to install

- System configures quickly into compact wall-mounted system
- Integrates both grid and generator power with dual AC inputs
- Balance of system components integrates battery bank, solar charge controllers and generators
- Commission the entire system with PC software tool and Conext ComBox



Product applications



Residential grid-tie solar with backup power



Self-consumption



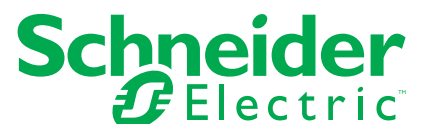
off-grid solar



Backup power



Community electrification



| Device short name | XW+ 5548 NA | XW+ 6848 NA |
|---|--|---|
| Inverter AC output | | |
| Output power (continuous) at 25°C | 5500 W | 6800 W |
| Overload 30 min / 60 sec at 25°C | 7000 W / 9500 W | 8500 W / 12000 W |
| Output power (continuous) at 40°C | 4500 W | 6000 W |
| Maximum output current 60 seconds (rms) | 82 A (120 V); 41 A (240 V) | 102 A (120 V); 52 A (240 V) |
| Output frequency (selectable) | 50 / 60 Hz | 50 / 60 Hz |
| Output voltage | L-N: 120 V +/- 3%; L-L: 240 V +/- 3% | L-N: 120 V +/- 3%; L-L: 240 V +/- 3% |
| Total harmonic distortion (THD) at rated power | < 5% | < 5% |
| Idle consumption search mode | < 8 W | < 8 W |
| Input DC voltage range | 42 to 60 V (48 V Nominal) | 42 to 60 V (48 V Nominal) |
| Maximum input DC current | 150 A | 180 A |
| Charger DC output | | |
| Maximum output charge current | 110 A | 140 A |
| Output voltage range | 40 - 64 V (48 V Nominal) | 40 - 64 V (48 V Nominal) |
| Charge control | Three stage, two stage, boost, custom | Three stage, two stage, boost, custom |
| Charge temperature compensation | Battery temperature sensor included | Battery temperature sensor included |
| Power factor corrected charging | 0.98 | 0.98 |
| Compatible battery types | Flooded (default), Gel, AGM, LiON, custom* | Flooded (default), Gel, AGM, LiON, custom* |
| Batter bank range (scaled to PV array size) | 440 - 10000 Ah | 440 - 10000 Ah |
| AC input | | |
| AC 1 (grid) input current (selectable limit) | 3 - 60 A (60 A default) | 3 - 60 A (60 A default) |
| AC 2 (generator) input current (selectable limit) | 3 - 60 A (60 A default) | 3 - 60 A (60 A default) |
| Automatic transfer relay rating / typical transfer time | 60 A / 8 ms | 60 A / 8 ms |
| AC input voltage limits (bypass/charge mode) | L-N: 78 - 140 V (120 V nominal) L-L: 160 - 270 V (240 V nominal) | L-N: 78 - 140 V (120 V nominal) L-L: 160 - 270 V (240 V nominal) |
| AC input frequency range (bypass/charge mode) | 55 - 65 Hz (default); 52 - 68 Hz (allowable) | 55 - 65 Hz (default); 52 - 68 Hz (allowable) |
| AC grid-tie output | | |
| Grid sell current range on AC1(selectable limit) | 0 to 40 A (120 V) / 0 to 20 A (240 V) | 0 to 48 A (120 V) / 0 to 27 A (240 V) |
| Grid sell voltage range on AC1 (auto adjusts entering sell mode) | L-N:105.5 to 132 +/- 1.5 V L-L: 211 to 264 +/- 3.0 V | L-N:105.5 to 132 +/- 1.5 V L-L: 211 to 264 +/- 3.0 V |
| Grid sell frequency range on AC1 (auto adjust entering sell mode) | 59.4 to 60.4 +/- 0.05 Hz | 59.4 to 60.4 +/- 0.05 Hz |
| Efficiency | | |
| Peak | 95.7% | 95.7% |
| CEC weighted efficiency | 93.0% | 92.5% |
| General specifications | | |
| Part number | 865-5548-01 | 865-6848-01 |
| Product / shipping weight | 53.5 kg (118.0 lb) / 75.0 kg (165.0 lb) | 55.2 kg (121.7 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) |
| 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) |
| IP degree of protection | NEMA Type 1 Indoor | |
| Operating air temperature range | -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)) | |
| Warranty (Depending on the country of installation) | 2 or 5 years | 2 or 5 years |
| Features | | |
| System monitoring and network communications | Available | |
| Intelligent features | Grid sell, peak load shave, generator support, prioritized consumption of battery or external DC energy | |
| Auxiliary port | 0 to 12 V, maximum 250 mA DC output, selectable triggers | |
| Off-grid AC coupling | Frequency control | |
| Multi-unit operation | Single and split phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC contractor | |
| Regulatory approval | | |
| Safety | UL1741, CSA 107.1 | |
| EMC directive | FCC and Industry Canada Class B | |
| Interconnect | IEEE 1547 and CSA 107.1 | |

Specifications are subject to change without notice.

Conext XW+ works with the following Schneider Electric products



XW+ Power Distribution Panel
Product no. 865-1015-01



Conext System Control Panel
Product no. 865-1050-1



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



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



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



Conext Combox communication device
Product no. 865-1058



Conext Battery Monitor
Product no. 865-1080-01

XW Configuration Tool
Product no. 865-1155