XW+
hybrid inverter/charger

One solution for global power needs

Product at a glance

XW+ is an adaptable single-phase and three-phase inverter/charger system with grid-tie functionality and dual AC power inputs. Compatible solar charge controllers, monitoring, and automated generator control modules enable further compatibility. From a single Conext XW+ unit to clusters up to 76.5 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 a complete solution for grid-interactive and off-grid, residential and commercial, solar and backup power applications.

XW+

Designed for reliability

- Extensive quality and reliability testing
- Highly accelerated life testing
- Globally proven and recognized field performance

Flexible

- Single or three-phase off-grid systems from 7.0 kW to 76.5 kW (30 minutes rating at 25 °C)
- Supports DC-coupled and AC-coupled off-grid and grid-tie architectures
- Supports charging of lithium ion battery packs

Easy to service

- Monitor, troubleshoot, or upgrade firmware with Conext™ Gateway

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™ Gateway

Product application

- Residential grid-tie solar with backup power
- Self-consumption
- Off-grid solar
- Backup power
- Community electrification
**Device short name** | **XW+ 7048 E** | **XW+ 8548 E**
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**Inverter AC output (standalone)** | | |
Output power (continuous) at 25°C | 5500 W | 6800 W |
Overload 30 min/90 sec at 25°C | 7000 W/9500 W | 8500 W/12000 W |
Output power (continuous) at 49°C | 4500 W | 6000 W |
Maximum output current 60 seconds (rms) | 40 A | 53 A |
Output frequency (selectable) | 50/60 Hz | 50/60 Hz |
Output voltage | 230 Vac | 230 Vac |
Total harmonic distortion at rated power | < 5% | < 5% |
Idle consumption search mode | < 7 W | < 7 W |
Input DC voltage range | 40 to 64 V (48 V nominal) | 40 to 64 V (48 V nominal) |
**Maximum input DC current** | 150 A | 180 A |
**Charger DC output** | | |
Maximum output charge current | 110 A | 140 A |
Output charge 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, Lithium ion, custom* | Flooded (default), Gel, AGM, Lithium ion, custom* |
Battery bank range (scaled to PV array size) | 440 to 1000 Ah | 440 to 1000 Ah |
**AC input** | | |
AC 1 (grid) input current (selectable limit) | 3 – 60 A (56 A default) | 3 – 60 A (56 A default) |
AC 2 (generator) input current (selectable limit) | 3 – 60 A (56 A default) | 3 – 60 A (56 A default) |
Automatic transfer relay rating/typical transfer time | 60 A/8 ms | 60 A/8 ms |
AC input voltage nominal | 230 V +/- 3% | 230 V +/- 3% |
AC input frequency range (bypass/charge mode) | 45 – 55 Hz (default) 40 – 68 Hz (allowable) | 45 – 55 Hz (default) 40 – 68 Hz (allowable) |
**AC grid-tie output** | | |
Grid sell on AC1 (max) | 4.5 kVA | 6.0 kVA |
Grid sell current range on AC1 (selectable range) | 0 to 20 A | 0 to 27 A |
Grid sell voltage range on AC1 | 205 to 262 Vrms (auto adjust entering sell mode) | 205 to 262 Vrms (auto adjust entering sell mode) |
Grid sell frequency range on AC1 | 48 to 51 Hz (auto adjust entering sell mode) | 48 to 51 Hz (auto adjust entering sell mode) |
Grid sell power factor range (lead/lag) | 0.5 | 0.5 |
**Efficiency** | | |
Peak | 95.8% | 95.8% |
**General specifications** | | |
Part number | 865-7048-61 | 865-8548-61 |
Product/shipping weight | 53.5 kg (118.0 lb) | 55.2 kg (121.7 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 | IP20 | |
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) | Please refer to our website, SEsolar.com for the latest version of the warranty statement. | |
**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 | |
Regulatory approval | CE marked according to the following EU directives and standards | |
RCM marked and compliant | AS 4777.2:2015, CEC Listed, EN61000-6-1, EN61000-6-3 | EN60178 |
EMC directive | EN61000-6-1, EN61000-6-3 | |
Low-voltage directive | EN50178 | |
Safety | IEC 62109-1, IEC 62109-2 | |
**Compatible products** | | |
Conext XW+ Power Distribution Panel | 865-1014-01 | |
Conext MPPT 60 150 | 865-1030-1 | |
Conext MPPT 80 600 | 865-1032 | |
Conext Gateway | 865-0329 | |
Conext System Control Panel | 865-1050 | |
Conext Automatic Generator Start | 865-1060 | |
Conext Battery Monitor | 865-1081-01 | |
Conext Battery Fuse Combiner Box | 865-1031-01 | |
Conext Configuration Tool | 865-1155-01 | |
Specifications are subject to change without notice.

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