

True grid interactive capability for storage, backup and offgrid applications

Conext™ XW Pro Hybrid Inverter/Charger

The new Conext™ XW Pro is a future ready solution that designed to adapt to next generation grid requirements.



Solution at a glance

Together with Schneider Electric's broad range of Conext™ solar products, the Conext™ XW Pro is the ideal solution for solar and storage with grid tied, backup power and off grid capability.

- Rule 21, HECO Rule 14H, and PREPA compliant
- Integrates with Conext™ Gateway and Conext™ Insight 2 for simplified system configuration and powerful remote monitoring & control
- Interoperates with solar charge controllers and PV inverters for both DC coupled and AC coupled configurations

Compatible with Conext™ Gateway and Conext™ Insight 2

The new Conext™ Gateway provides local system configuration and management as well as live system monitoring for the residential and commercial range of solar products.



Technical Specifications

Conext™ XW Pro for North America

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|---|---|
| Device short name | Conext™ XW Pro for North America |
| Inverter AC output (standalone) | |
| Output power (continuous) at 25°C | 6800 W |
| Overload 30 min/60 sec at 25°C | 8500 W/12000 W |
| Output power (continuous) at 40°C | 6000 W |
| Maximum output current 60 seconds (rms) | 102 A (120 V); 52 A (240 V) |
| Output frequency | 50/60 Hz |
| Output voltage | L-N: 120 V +/- 3%; L-L: 240 V +/- 3% |
| Total harmonic distortion at rated power | < 5 % |
| Idle consumption search mode | < 8 W |
| Input DC voltage range | 42 to 60 V (48 V nominal) |
| Maximum input DC current | 180 A |
| Charger DC output | |
| Maximum output charge current | 140 A |
| Output charge voltage range | 40 – 64 V (48 V nominal) |
| Charge control | Three stage, two stage, boost, custom |
| Charge temperature compensation | Battery temperature sensor included |
| Power factor corrected charging | 0.98 |
| Compatible battery types | Flooded (default), Gel, AGM, Lithium ion, custom |
| Battery bank range | 440 – 10000 Ah |
| AC input | |
| AC 1 (grid) input current (selectable limit) | 3 – 60 A (60 A default) |
| AC 2 (generator) input current (selectable limit) | 3 – 60 A (60 A default) |
| Automatic transfer relay rating/typical transfer time | 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) |
| AC input frequency range (bypass/charge mode) | 55 – 65 Hz (default) 52 – 68 Hz (allowable) |
| AC grid-tie output | |
| Grid sell current range on AC1(selectable limit) | 0 to 48 A (120 V) / 0 to 27 A (240 V) |
| Grid sell current 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 |
| Grid sell frequency range on AC1(auto adjusts entering sell mode) | 59.4 to 60.4 +/- 0.05 Hz |
| Efficiency | |
| Peak | 95.0% |
| CEC weighted efficiency | 93.0% |
| General specifications | |
| Part number | 865-6848-21 |
| Product/shipping weight | 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) |
| 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) |
| 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)) |
| Features | |
| System monitoring and network communications | Available (through Conext™ Gateway) |
| 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 | |
| Safety | UL1741, CSA 107.1 |
| EMC directive | FCC and Industry Canada Class B |
| Interconnect | IEEE 1547, UL 1741 SA, Rule 21, Rule 14H, PREPA, and CSA 107.1 |
| Compatible products part numbers | |
| Conext XW+ Mini Power Distribution Panel | 865-1013-01 |
| Conext XW+ Power Distribution Panel | 865-1015-01 |
| Conext MPPT 80 600 | 865-1032 |
| Conext MPPT 60 150 | 865-1030-1 |
| Conext Gateway | 865-0329 |
| Conext System Control Panel | 865-1050 |
| Conext Automatic Generator Start | 865-1060 |
| Conext Battery Monitor | 865-1080-01 |
| Conext Configuration Tool | 865-1155-01 |