

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 compliant with a planned development roadmap to meet other utility requirements in North America
- Integrated 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

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	95.7%
CEC weighted efficiency	92.5%
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
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, and CSA 107.1