Life Is On | Schneider Electric

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 requirements that comply with evolving grid codes.

- 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 in 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)	
Out put 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 (selectable)	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 (scaled to PV array size)	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