XW Pro

6.8/8.5 kW Hybrid Inverter for North America

865-6848-21



The XW Pro hybrid inverter provides energy security for residential, small commercial and off-grid applications. With high power ratings and 2X surge capability, the XW Pro is reliable for backup power operation and off-grid loads. In addition, broad battery compatibility provides flexibility in system design. It can be used for solar and storage or backup power systems without solar.

Backup power performance

- Reliable operation of backup power and off-grid loads with a high overload power rating (2x)
- Seamless transition to backup power with an integrated high-speed transfer switch
- · Grid and Generator input ports
- Field proven product quality and reliability, building on two decades of experience in solar and storage
- Easy whole-home backup with Schneider Electric Backup Control Switch

Flexible

- 120/240 V output with stacking capability up to 4 units
- Configurable for 120 V output for 3 phase systems
- Connects solar with Conext[™] MPPT Charge Controllers or PV inverters for DC-coupled or AC-coupled systems
- · Lithium ion and lead acid battery integration
- Grid tied and off-grid systems IEEE1547-2018, Rule 21, HECO Rule 14H and PREPA compliant

Easy to install

- AC Out port for backup loads
- Full ecosystem and accessories for single unit or scalable systems

- √ 48V Li-ion and lead acid battery compatibility
- ✓ Compatible with Schneider Electric range of MPPT charge controllers
- ✓ Flexible solar and battery bank sizing
- ✓ InsightCloud and InsightMobile apps



Technical Specifications

Substitute Sub		XW Pro 6848 NA	XW Pro 6848 NA
Output power (continuous) at 26°C B800 W 5760 W Overlead 30 millor® set at 28°C B800 W12000 W 5760 W Maximum output current 60 seconds (rms) 52 A (240 V) 109 A (120 V) Output frequency 5070 M 520 W Maximum output current 60 seconds (rms) 52 A (240 V) 109 A (120 V) Output frequency 5070 M 5760 M Maximum output current 60 seconds (rms) 52 A (240 V) 109 A (120 V) Output frequency 5070 M 120 V +7-3% Total harmonic distortion at rated power 5 % 5 % 5 % 5 % 5 % Italia consumption search mode 4 M 6 M 4 M 6 M 4 M 6 M		120/240 V	120 V
Overload 30 min80 sec at 26°C (portinuous) at 40°C (portinuous) at 40°	Inverter AC Output (Standalone)		
Support power (continuous) at 40°C S000 W S760 W S760 W S000 W	Output power (continuous) at 25°C	6800 W	5760 W
Maximum output current 60 seconds (rms) S2 A (240 V) 104 A (120 V)	Overload 30 min/60 sec at 25°C	8500 W/12000 W	7200 W/12000 W
Substitute Sub	Output power (continuous) at 40°C	6000 W	5760 W
Solit phase 120/240 V 1-3 % 120 V 1-3 %	Maximum output current 60 seconds (rms)	52 A (240 V)	104 A (120 V)
Total harmonic distortion at rated power	Output frequency	50/60 Hz	50/60 Hz
Index	Output voltage	Split phase 120/240 V +/- 3%	120 V +/- 3%
Input DC voltage range	Total harmonic distortion at rated power	< 5 %	< 5 %
Maximum injout DC current	Idle consumption search mode	< 8 W	< 8 W
Charger DC Output Maximum output charge current 140 A	Input DC voltage range	40 to 64 V (48 V nominal)	40 to 64 V (48 V nominal)
Maximum output charge current 140 A 120 A Output charge voltage range 40 – 64 V (48 V nominal) Charge control Three stage, two stage, boost, external BMS, custom Charge temperature compensation Battery temperature sensor included Power factor corrected charging 0.98 Compatible battery types Flooded (default), Gel, AGM, Lithium ion, custom AC Input AC 2 (generator) 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) AC 2 (generator) 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) AC input frequency range (bypass/charge mode) L-Ls 166 - 280 V (240 V nominal) L-N: 78 – 140 V (120 V nominal) AC input frequency range (bypass/charge mode) L-Ls 166 - 280 V (240 V nominal) L-N: 78 – 140 V (120 V nominal) AC input frequency range (bypass/charge mode) L-Ls 166 - 280 V (240 V nominal) L-N: 78 – 140 V (120 V nominal) AC input frequency range (bypass/charge mode) L-Ls 166 - 280 V (240 V nominal)	Maximum input DC current	180 A	180 A
Automate	Charger DC Output		
Charge control	Maximum output charge current	140 A	120 A
Charge temperature compensation	Output charge voltage range	40 – 64 V (48 V nominal)	
Power factor corrected charging	Charge control	Three stage, two stage, boost, external BMS, custom	
Power factor corrected charging	Charge temperature compensation		
Compatible battery types			
AC 1 (gird) input current (selectable limit) AC 2 (generator) input current (selectable limit) AC 2 (generator) input current (selectable limit) AC 3 – 60 A (60 A default) AC (generator) input current (selectable limit) 60 A / 8 ms 60 A			
AC 2 (generator) input current (selectable limit) Automatic transfer relay rating/typical transfer time BO A / 8 ms BO A / 94 ms BO A /	AC Input		
AC 2 (generator) input current (selectable limit) Automatic transfer relay rating/typical transfer time 60 A / 8 ms 60 A / 4 6 ms 60 A / 4 ms 60 A / 8 ms 60 A / 4 ms 60 A / 4 ms 60 A / 4 ms 6	AC 1 (grid) input current (selectable limit)	3 - 60 A (60 A default)	3 - 60 A (60 A default)
Automatic transfer relay rating/typical transfer time AC input voltage limits (bypass/charge mode) AC input frequency range (bypass/charge mode) AC input frequency range (bypass/charge mode) AC Grid-Tie Output Grid sell power 6000 W 6760 W			3 – 60 A (60 A default)
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AC Grid-Tie Output Grid sell power Grid sell current (selectable limit) 0 to 27 A (240 V) 0 to 48 A (120 V) Efficiency Peak 96.1% 94.8% CEC weighted efficiency 94.1% 93.6% General Specifications Part number 865-6848-21 Product/shipping weight Product dimensions (H x W x D) Shipping dimensions (H x W x D) Shipping dimensions (H x W x D) Syphymatic (H x W x D) Freduct dimensions (H x W x D) Syphymatic (H x W x D) Freduct dimensions (H x W x D) Freduction Freduction Freduction Freduction NEMA Type 1 Indoor Operating air temperature range Freduction Fred			, ,
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Power Distribution Panels (865-1015-01) (865-1014-01), 60 A Three Phase Breaker Kit (865-1315-01) MPPT Charge Controllers MPPT 100 600 (865-1034), MPPT 80 600 (865-1032), MPPT 60 150 (865-1030-1) Monitoring InsightHome (865-0330), InsightFacility (865-0335) Accessories Automatic Generator Start (865-1060), Battery Monitor (865-1080-01),	,	XW Mini PDP (865-1013-01). XW PF	DP XW PDP without AC Breakers
Breaker Kit (865-1315-01) MPPT Charge Controllers	Power Distribution Panels		
MPPT Charge Controllers MPPT 100 600 (865-1034), MPPT 80 600 (865-1032), MPPT 60 150 (865-1030-1) Monitoring InsightHome (865-0330), InsightFacility (865-0335) Accessories Automatic Generator Start (865-1060), Battery Monitor (865-1080-01),	1 GWG1 DISHIDUHOH I AHGIS	(000-1010-01)	/-
MPPT Charge Controllers MPPT 60 150 (865-1030-1) Monitoring InsightHome (865-0330), InsightFacility (865-0335) Accessories Accessories		MPDT 100 600 (865 1034) MPDT 90	,
Monitoring InsightHome (865-0330), InsightFacility (865-0335) Accessories Automatic Generator Start (865-1060), Battery Monitor (865-1080-01),	MPPT Charge Controllers	· · · · · · · · · · · · · · · · · · ·	0 000 (000-1032),
Accessories Automatic Generator Start (865-1060), Battery Monitor (865-1080-01),	Manitoring		oility (OCE 0225)
Accessories	Monitoring		
10 C U T 1/00E 11EE 011	Accessories	Configuration Tool (865-1155-01)	

