

# CONEXT XW+

Conext™ XW +, One solution for grid-tie backup and off-grid solar inputs.



Inversor / Cargador Schneider Conext XW+



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Inversor / Cargador Schneider Conext XW+, Sistema trifásico



Inversor/Cargador Schneider Conext XW+, Sistema con CB y Regulador MPPT

Conext™ XW+ is an adaptable single-phase and three-phase hybrid inverter with grid-tie functionality and dual AC power inputs. Available solar charge controllers, monitoring, and automated generator control modules enable further adaptability. From a single Conext XW+ unit to clusters up to 102 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 the one solution for grid-interactive and off-grid, residential and commercial, solar and backup power applications.

## Why choose Conext XW+?

### Higher return on investment

- Excellent load starting with high 30-minute and 5-second power
- Performs in hot environments up to 70°C
- Intelligent functionality enables solar prioritization, load shifting, peak shaving, and assists small generators with heavy loads
- Backup power with grid-tie functionality converts external DC power to AC power for export to the utility grid

### Designed for reliability

- Extensive quality and reliability testing
- Highly Accelerated Life Testing (HALT)
- Globally proven and recognized field performance

### Flexible

- Single or three phase systems from 7.0 kW to 102 kW
- Supports DC coupled and AC coupled off-grid and grid-tie architectures
- Supports charging of Lithium Ion battery packs

### Easy to service

- Field serviceable with replacement boards and spare parts
- Monitor, troubleshoot or upgrade firmware with Conext ComBox

### 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 ComBox

## SPECIFICATIONS

	XW+ 7048 E	XW+ 8548 E
<b>Inverter AC output</b>		
Output power (continuous) at 25 °C	5500 W	6800 W
Overload (30 min / 60 seg) at 25° C	7000 / 9500 W	8500 / 12000 W
Output power (continuous) at 40° 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 (THD) 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
<b>Charger DC output</b>		
Maximum output charge current	110 A	140 A

Output charge voltage range	40 to 64 V (48 V nominal)	40 to 64 V (48 V nominal)
Charge control	Three stages, two stage, boost, custom	
Charge temperature compensation	Battery temperature sensor included	
Power factor corrected charging	0,98	0,98
Compatible battery types	Flooded (default), Gel, AGM, LiON, custom	
Battery bank range (scaled to PV array size)	440 to 10.000 Ah	440 to 10.000 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)	3 -60 A (56 A default)	3 -60 A (56 A default)
Automatic transfer relay rating	60 A	60 A
Typical transfer time	8 ms	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)	
AC grid-tie output		
Grid sell on AC1 (max)	4,5 kVA	6,0 kVA
Grid sell current range on AC1 (Selectable)	0 to 20 A	0 to 27 A
Grid sell voltage range on AC1	205 to 262 Vrms (auto adjust entering sell mode)	
Grid sell frequency range on AC1	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 kgr / 75,0 Kgr	55,2 Kgr / 76,7 Kgr
Product dimensions ( H x W x D)	58 x 41 x 23 cm	58 x 41 x 23 cm
Shipping dimensions ( H x W x D)	71,1 x 57,2 x 39,4 cm	71,1 x 57,2 x 39,4 cm
IP degree protection	IP 20	IP 20
Operating air temperature range	- 25 °C to 70 °C (power derated above 25 °C)	
Warranty (Depending on the country of installation)	2 or 5 years	2 or 5 years
Features		
System monitoring and network communications	Available	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 ouput, selectable triggers	
Off-grid AC coupling	Frequency control	
Multi-unit operation	Single phase: up to four units in parallel Three phases: up to 12 units in multi-cluster configuration with external AC contactor	
Regulatory approval		
CE marked according to the following EU directives and standards:		
EMC directive	EN61000-6-1, EN61000-6-3, EN61000-3-2	
Low voltage directive	EN50178	
Safety	IEC 62109-1, IEC 62109-2	
RCM market and compliant	AS 4777.2, AS 4777.3	
Compatible products		
Conext XW+ Power Distribution panel	865-1014-01	
Conext System control panel	865-1050	
Conext Automatic Generator Start	865-1060	
Conext MPPT 60 150 Solar Charge controller	865-1030-1	
Conext MPPT 80 600 Solar Charge controller	865-1032	
Conext ComBox	865-1058	
Conext Battery Monitor	865-1080-01	
Conext Battery fuse c	865-1031-01	

Specifications are subject to change without notice.

# APPLICATIONS



RURAL  
ELECTRIFICATION



GRID  
CONNECTION



WATER  
PUMPING



TELECOM

# DOWNLOADS

## CATÁLOGO GENERAL 2020

 [Catalogo-Bornay-0520.pdf](#)

Size: 21.51 MiB

## ESPECIFICACIONES CONEXT XW+

 [76810 Conext XW +\\_ES\\_V3.pdf](#)

Size: 511.17 KiB

## CONEXT XW+ DATASHEET

 [conext-xw-datasheet-20141002\\_eng.pdf](#)

Size: 647.48 KiB