

# Conext™ XW inverter/charger (230V/50Hz)

## One solution for global power

Conext XW is an adaptable pure sine wave, single-phase and three-phase inverter/charger system with global grid-tie functionality and dual AC power inputs. Available solar charge controllers, monitoring, and automated generator control modules enable further adaptability. From single Conext XW unit to multiple clusters of units, up to 36 kW each, 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 global grid-interactive and off-grid, residential and commercial, solar and backup power applications.

### Why choose Conext XW (230V/50Hz)?



#### True bankability

- Warranty from a trusted partner with over 177 years of experience
- World leader in industrial power drives, UPS and electrical distribution
- Strong service infrastructure worldwide to support your global needs



#### Higher return on investment

- Harness the continuously declining production cost of solar power
- Hybrid integration of generator reduces diesel fuel costs



#### Designed for reliability

- Robust design through rigorous reliability testing (HALT)
- Proven field performance: 7 years with high reliability, globally in multiple applications and environments



#### Flexible

- Adapts to single and three-phase systems
- Scales to 36kW for commercial or large electrification installations
- Supports DC coupled and AC coupled solutions



#### Easy to service

- Remote monitoring and configuration
- Replaceable boards and components
- Global support



#### Easy to install

- Devices configure quickly into a stylish wall mounted system
- Inverters connect both grid and generator power with dual AC input



### Product applications



Residential, backup power and grid-tie



Off-grid solar



Community electrification



Small commercial, backup power and grid-tie

Device short name	XW4024 230 50	XW4548 230 50	XW6048 230 50
Electrical specifications			
Output power (continuous) at 40°C	4.0kVA	4.5kVA	6.0kVA
Output power (surge) at 40°C	8.0kVA (20 sec)	9.0kVA (15 sec)	12.0kVA (15 sec)
Output current	17.4A	19.6A	26.1A
Peak output current (rms)	35A	40A	53A
Input current at rated power	178A	96A	131A
Type of signal	True sine wave	True sine wave	True sine wave
Automatic transfer relay	56A	56A	56A
Typical transfer time	8ms	8ms	8ms
DC input voltage (nominal)	25.2V	50.4V	50.4V
Input voltage limits	20 to 32V	40 to 64V	40 to 64V
Charging current	150A	85A	100A
Power factor corrected charging	0.98	0.98	0.98
Auxiliary relay output	0 to 12V, maximum 250mA DC	0 to 12V, maximum 250mA DC	0 to 12V, maximum 250mA DC
Power consumption (search mode)	< 7W	< 7W	< 7W
AC input voltage (nominal)	230V +/- 3%	230V +/- 3%	230V +/- 3%
Input voltage limits (bypass/charge mode)	165 to 280V (230V nominal)	165 to 280V (230V nominal)	165 to 280V (230V nominal)
Frequency	50Hz +/- 0.1Hz	50Hz +/- 0.1Hz	50Hz +/- 0.1Hz
AC input frequency range (bypass/charge mode)	40 to 68Hz (50Hz nominal)	40 to 68Hz (50Hz nominal)	40 to 68Hz (50Hz nominal)
Total harmonic distortion (THD)	< 5% at rated power	< 5% at rated power	< 5% at rated power
AC connections	AC1 (Grid), AC2 (Generator)	AC1 (Grid), AC2 (Generator)	AC1 (Grid), AC2 (Generator)
AC input breaker	60A single-pole	60A single-pole	60A single-pole
Efficiency			
Peak	94.0%	95.6%	95.4%
General specifications			
IP degree of protection	IP20 (sensitive electric components sealed inside enclosure)		
Product weight	52.5kg (116.0lb)	53.5kg (118.0lb)	55.2kg (121.7lb)
Shipping weight	74.0kg (163.0lb)	75.0kg (165.0lb)	76.7kg (169.0lb)
Product dimensions (H x W x D)	58 x 41 x 23cm (23 x 16 x 9in)	58 x 41 x 23cm (23 x 16 x 9in)	58 x 41 x 23cm (23 x 16 x 9in)
Shipping dimensions (H x W x D)	71.1 x 57.2 x 39.4cm (28.0 x 22.5 x 15.5in)	71.1 x 57.2 x 39.4cm (28.0 x 22.5 x 15.5in)	71.1 x 57.2 x 39.4cm (28.0 x 22.5 x 15.5in)
Device mounting	Wall mount (backplate included)	Wall mount (backplate included)	Wall mount (backplate included)
Ambient air temperature for operation	-25°C to 70°C (-13°F to 158°F) (power derated above 45°C (113°F))		
System network and remote monitoring	Available	Available	Available
Warranty	5 years	5 years	5 years
Part number	865-1045-61	865-1040-61	865-1035-61
Features and options			
Display type	Status LEDs indicate AC In status, faults/warnings, equalise mode, On/Off and equalise button battery level. Three-character display indicates output power or charge current		
Supported battery types	Flooded (default), Gel, AGM, custom	Flooded (default), Gel, AGM, custom	Flooded (default), Gel, AGM, custom
Battery bank size	100 to 2000Ah (scaled to PV array size)		
Battery temperature sensor	Included	Included	
Non volatile memory	Yes	Yes	
Multiple unit configurations	Single-phase: up to four parallel units. Three-phase: two units per phase		
Regulatory approval			
CE marked according to the following EU directives and standards:			
EMC directive	EN61000-6-1, EN61000-6-3, EN61000-3-2, EN61000-3-3		
Low voltage directive	EN50178		
RCM marked and compliant	AS 4777.2, AS 4777.3, AS/NZS 3100		

Specifications are subject to change without notice.

### Conext XW works with the following Schneider Electric products



**System Control Panel**  
Product no. 865-1050



**Automatic Generator Start**  
Product no. 865-1060



**Conext Combox communication device**  
Product no. 865-1058



**MPPT 60 150 solar charge controller**  
Product no. 865-1030-1



**MPPT 80 600 solar charge controller**  
Product no. 865-1032