# NEW Conext XW<sup>27</sup> inverter/charger

## One solution for global power needs

Conext<sup>™</sup> XW+ is an adaptable single-phase and three-phase inverter/charger system 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 ??

#### True bankability

- · Warranty from a trusted partner with 178 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

- 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

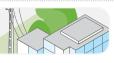
#### **Product applications**



Residential grid-tie solar with







Backup power





Community electrification

solar.schneider-electric.com





## NEW Conext XW+ series (230 V)

Inverte AC cutput         E800 W         E800 W           Output power (continuous) at 28°C         7000 W / 9500 W         B500 W / 12000 W           Output power (continuous) at 28°C         7000 W / 9500 W         B500 W / 12000 W           Output toguers/ performance         40°C         4500 W         B500 W           Output toguers/ performance         40°C         4500 W         B500 W           Output toguers/ performance         50° / 60 Hz         50° / 60 Hz         50° / 60 Hz           Output toguers/ performance         40° / 64 V (48 V Nominal)         40° / 64 V (48 V Nominal)         A0° / 64 V (48 V Nominal)           Maintum uniput DC current         150 A         150 A         Conserved Cutput           Charger DC output         Three stage, how stage, hows dtage, how how how how how hows dtage, hows dtage	Device short name	XW+7048E	XW+ 8548 E
Odp.d. power continuous) at 25°C         550 W         6800 W           Overhaad 30 min / 60 ase at 25°C         7000 W / 9600 W         6500 W           Outp.d power continuous) at 40°C         4500 W         6500 W         6500 W           Outp.d power continuous) at 40°C         4500 W         6500 W         6500 W           Outp.d tower continuous) at 40°C         4500 W         6500 W         6500 W           Outp.d tower continuous) at 40°C         4500 W         6500 W         6500 W           Outp.d voting isolatability         50 760 Hz         50%         65%         65%           Cata harmonic distortion (THO) at rated power         <5%			
Overlead 30 mir / 08 ueu al 28°C         700 W / 800 W         800 W           Output power (sontinuous) al 40°C M         40 A         53 A           Output traguency telectable)         60 / 60 Hz         50 / 60 Hz           Output traguency telectable)         60 / 60 Hz         50 / 60 Hz           Output traguency telectable)         67 %         < 5%		5500 W	6800 W
Output prover (continuous) at 4PC         450 W         600 W           Maximum output current 60 seconds (rma)         40 A         63 A           Output frequency (selectable)         60 / 60 Hz         50 / 60 Hz           Output frequency (selectable)         60 / 60 Hz         200 Vac           Stall harmonic distortion (THD) at total gover         < 5%			
Maximum output current (0 seconds (rms))         40 A         53 A           Output triaguency (selectable)         50 / 60 Hz         50 / 60 Hz         50 / 60 Hz           Output triaguency (selectable)         50 / 60 Hz         50 / 60 Hz         50 / 60 Hz           Output triaguency (selectable)         50 / 60 Hz         50 / 60 Hz         50 / 60 Hz           Total harmonic distortion (THD) at rated power         4.5%         < 5%			
Output voltage         50 / 60 Hz         50 / 60 Hz           Output voltage         280 Vac         280 Vac         280 Vac           Caling harmonic distortion (PHD) at rated power         45%         < 5%	· · · · · · · · · · · · · · · · · · ·		
Output village     280 Vac     280 Vac       Total harmonic distrotin (THD) at rated power     < 5%			
Total harmonic distortion (HDi) at rated power       < 5%			
lide consumption search mode < 7 W < 7 W Input DC voltage range 40 to 64 V (48 V Nominal) 40 to 60 V Nom 44 to 10 to 000 An 55 to 24 (1 graduphi transfer trans graduphi transfer transgraduphi trans fer trans graduphi transfer transgra			
Input DC voltage range       40 to 64 V (48 V Nomine)       40 to 64 V (48 V Nomine)         Maximum input DC unrent       150 A       180 A         Charger DC output       180 A       140 A         Maximum input DC unrent       110 A       140 A         Output charge context       140 A       140 A         Charge for the stage, two stage, boost, custom       Three stage, two stage, boost, custom       Three stage, two stage, boost, custom         Charge fearmed       0.64 V (48 V Nominal)       40 - 64 V (48 V Nominal)       Constant Cons			
Maximum input DC ourrent 150 A 180 A 180 A 140 A Charge DC output 100 A 140 c A 440 c Nominal) 40 c 641 V (48 V Nominal) 4	-		
Charger DC output Maximum output charge current 10.A 10.A 140.A 140.A 140.A 140.A 140.A 140.A 140.Charge control Three stage, two stage, boost, custorn Three stage, two stage, boost, custorn Charge control Drave factor concreted charging 0.98 Compatible battery types Flooded (default), Gel, AGM, LION, custorn* AC input Compatible battery types Flooded (default), Gel, AGM, LION, custorn* Flooded (default), Gel, AGM, LION, custorn* AC input Compatible current (selectable limit) Flooded (default), Gel, AGM, LION, custorn* Flooded (default), Gel, AGM, LION, custorn* AC input current (selectable limit) Flooded (default), Gel, AGM, LION, Custorn* Compatible battery types Flooded (default), Gel, AGM, LION, custorn* Compatible battery types Flooded (default), Gel, AGM, LION, custorn* Compatible battery types Flooded (default), Gel, AGM, LION, custorn* Compatible battery types Flooded (default), Gel, AGM, LION, custorn* Compatible battery types Flooded (default), Gel, AGM, LION, custorn* Compatible battery types Flooded (default), Gel, AGM, LION, custorn* Compatible battery types Flooded (default), Gel, AGM, LION, Custorn* Compatible battery types Flooded (default), Gel, AGM, LION, Custorn* Compatible battery types Flooded (default), Gel, AGM, LION, Custorn* Compatible battery types Flooded (default), Gel, AGM, LION, Custorn* Compatible battery types Flooded (default), Gel, AGM, LION, Custorn* Compatible battery types Flooded (default), Gel, AGM, LION, Custorn* Compatible battery types Flooded (default), Gel, AGM, LION, Custorn* Compatible battery types Flooded (finance) Flooded (finance) Flooded (finance) Flooded (finance) Flooded (finance) Flooded (finance) Flooded (financ			
Maximum output charge ourient     110 A     140 A       Output charge ourient     110 A     40 - 64 V (48 V Nominal)       Oharge control     Three stage, two stage, boost, custom     Three stage, two stage, boost, custom       Charge control     Three stage, two stage, boost, custom     Three stage, two stage, boost, custom       Charge control     Battery temperature sensor included     Battery temperature sensor included     D38       Competible battery types     Pooded (delault), Gel, AGM, LION, custom*     Pooded (delault), Gel, AGM, LION, custom*       AC in put     The stage, two stage, boost, custom     Pooded (delault), Gel, AGM, LION, custom*       AC input     The stage, two stage, boost, Custom     Ado to 10000 Ah       AC input returnent (selectable limit)     3 - 60 A (56 A default)     3 - 60 A (56 A default)       AC 2 (grid fine relay rating / typical transfer time     60 A / 8 ms     60 A / 8 ms       AC input trequency range (typess/charge mode)     4-55 Hz (delault) 40-68 Hz (allowable)     Ado to 127 A       Grid sel output     Conduct trequency range (typess/charge end)     0.5 CMA     0.0 to 27 A       Grid sel output     StNA     6.0 K/A     0.5 CMA       Grid sel output     Als to 51 Hz (auto adjust entering sell mode)     205 to 262 Vms (auto adjust entering sell mode)       Grid sel output range on AC1     48 to 51 Hz (auto adjust entering sell mode)     0.5 CMA		100 //	100 / 1
Output charge voltage range       40 - 64 V (48 V Nominal)       40 - 64 V (48 V Nominal)         Charge control       Three stage, two stage, boost, custom       Three stage, two stage, boost, custom         Charge temperature compensation       Battery temperature sensor included       Battery temperature sensor included         Power factor corrected charging       0.98       0.38         Compatible battery types       Flooded (default), Cal, AGM, LiON, custom*       Flooded (default), Cal, AGM, LiON, custom*         Actingut       440 to 10000 Ah       440 to 10000 Ah       440 to 10000 Ah         Actingut       3 - 60 A (f6A default)       3 - 60 A (f6A default)       40 a to 10000 Ah         Actingut       3 - 60 A (f6A default)       3 - 60 A (f6A default)       40 a to 10000 Ah         Actingut transfer relay rating / typical transfer time       60 A / 8 ms       60 A / 8 ms       60 A / 4 ms         AC input traugenory range (typass/charge mode)       45 - 56 Hz (default) 40 - 68 Hz (allowable)       45 - 56 Hz (default) 40 - 68 Hz (allowable)         Acting the transfer ralay curves       45 - 56 Hz (default) 40 - 68 Hz (allowable)       45 - 56 Hz (default) 40 - 68 Hz (allowable)         Acting the transfer ralay curves       45 - 56 Hz (default) 40 - 68 Hz (allowable)       45 - 56 Hz (default) 40 - 68 Hz (allowable)         Acting the transfer ralay curves       45 - 56 Hz (default) 40 - 68 Hz (allowable)<		110.0	140 Δ
Charge control         Three stage, two stage, boost, custom         Three stage, two stage, boost, custom           Charge temperature compensation         Battery temperature sensor included         Battery temperature sensor included           Charge temperature compensation         0.98         0.98           Compatible battery types         Flooded (default), Gel, AGM, LION, custom*         Flooded (default), Gel, AGM, LION, custom*           Actinput         Atto 10000 Ah         440 to 10000 Ah         Atto 10000 Ah           Actinput         S = 60 A (56 A default)         3 - 60 A (56 A default)         A = 60 A (56 A default)           AC 1 (grid) input current (selectable limit)         3 - 60 A (56 A default)         A = 60 A (56 A default)           AC 2 (grid-time relay rating / typical transfer time)         60 A / 8 ms         60 A / 8 ms           AC input voltage nominal         200 V +/- 3%         230 V +/- 3%           AC input trequency range (typass/charge med)         4.5 kVA         6.0 kVA           AC input trequency range on AC1 (selectable range)         0 to 20 A         0 to 27 A           Grid sel ontage range on AC1         48 to 51 Hz (auto adjust entering sell mode)         48 to 51 Hz (auto adjust entering sell mode)           Grid sell ontage range on AC1         865-7048-61         865-8648-61           Procluct finping weight         55.8 kg (118.0 lb) / 75.0 kg	·····		
Charge temperature compensation       Battery temperature sensor included       Dattery temperature sensor included         Prover factor corrected charging       0.98       0.98         Compatible battery types       Flooded (default), Gel, AGM, LION, custom*       Flooded (default), Gel, AGM, LION, custom*         AC input			
Power factor corrected charging         0.98         0.98           Compatible battery types         Flooded (default), Gei, AGM, LION, custom*         Flooded (default), Gei, AGM, LION, custom*           Battery bark range (scaled to PV array size)         440 to 10000 Ah         440 to 10000 Ah           AC input         3 - 60 A (56 A default)         3 - 60 A (56 A default)           AC 1 girld input current (selectable limit)         3 - 60 A (56 A default)         3 - 60 A (56 A default)           AC corrected charging (bypass/charge mode)         45 - 55 Hz (default) 40-68 Hz (allowable)         45 - 55 Hz (default) 40-68 Hz (allowable)           AC input frequency range (bypass/charge mode)         45 - 55 Hz (default) 40-68 Hz (allowable)         45 - 55 Hz (default) 40-68 Hz (allowable)           AC input frequency range (bypass/charge mode)         45 - 55 Hz (default) 40-68 Hz (allowable)         45 - 55 Hz (default) 40-68 Hz (allowable)           AC input frequency range on AC1 (max)         4.5 KVA         6.0 KVA         6.0 KVA           Grid sel otrage range on AC1         205 to 262 Vms (auto adjust entering sell mode)         205 to 262 Vms (auto adjust entering sell mode)           Grid sell otrage range on AC1         48 to 51 Hz (auto adjust entering sell mode)         0.5           Grid sell otrage range on AC1         85 - 574 42 - 61         865 - 584 - 61           Product (shipping weight         53.5 kg (118.0 lb) / 75.0 kg (			
Compatible battery types         Flooded (default), Gel, AGM, LION, custom*         Flooded (default), Gel, AGM, LION, custom*           AC input         440 to 10000 Ah         440 to 10000 Ah           AC 1 (grid) input current (selectable limit)         3 - 60 A (56 A default)         3 - 60 A (56 A default)           AC 1 (grid) input current (selectable limit)         3 - 60 A (56 A default)         3 - 60 A (56 A default)           AC 1 (grid) input current (selectable limit)         3 - 60 A (56 A default)         3 - 60 A (56 A default)           AC input transfer relay rating / typical transfer time         60 A / 8 ms         60 A / 8 ms           AC input tracuency range (bypass/charge mode)         45-55 Hz (default) 40-68 Hz (allowable)         45-55 Hz (default) 40-68 Hz (allowable)           AC grid elin AC1 (max)         4.5 KVA         6.0 KVA         6.0 KVA           Grid sell on AC1 (max)         4.5 KVA         0 to 27 A         205 to 262 Vrms (auto adjust entering sell mode)           Grid sell on AC1 (max)         6.5 KWA         0.5 THz (auto adjust entering sell mode)         48 to 51 Hz (auto adjust entering sell mode)           Grid sell prover (and cor mange (lead/lag)         0.5         265 Ws         96.8%         96.8%           General specifications         -         -         -         -         -           Product dimensions (H x W x D)         51.1 x 57.			
Battery bank range (scaled to PV array size) AC input AC 1 (grid) input current (selectable limit) AC 2 (generator) input current (selectable limit) AC 3 60 A (56 A default) AC 3 60 A (56 A default) AC 3 60 A (56 A default) ALtomatic transfer relay rating / typical transfer time AC input frequency range (typass/charge mode) AC input frequency range (typass/charge mode) AC grid-tie output AC di geni transpe an AC1 (selectable range) AC 3 55 Hz (default) 40–68 Hz (allowable) AC grid-tie output AC find sell corrent range on AC1 (selectable range) AC 3 50 A (56 A default) AC grid-tie output AC grid sell vortage range on AC1 (selectable range) 0 to 20 A C grid sell vortage range on AC1 (selectable range) 0.5 C 50 to 262 Vrms (auto adjust entering sell mode) C 61 d sell requency range (seal/lag) 0.5 Efficiency Ferdia sell power factor range (seal/lag) 0.5 Efficiency Peak C General specifications Ferticiency Product / shipping weight Product / shipp	· · · ·		
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 limit)       3 - 60 A (56 A default)       3 - 60 A (56 A default)         ALcomatic transfer relay rating / bpical transfer time       60 A / 8 ms       60 A / 8 ms         AC input voltage nominal       230 V +/ - 3%       230 V +/ - 3%         AC input trequency range (bypass/charge mode)       45-55 Hz (default) 40-68 Hz (allowable)       45-55 Hz (default) 40-68 Hz (allowable)         AC grid-tie current (selectable range)       0 to 20 A       0 to 27 A         Grid sell on AC1 (max)       4.5 kVA       6.0 kVA         Grid sell on AC1 (selectable range)       0 to 20 A       0 to 27 A         Grid sell orquency range on AC1       4.8 to 51 Hz (auto adjust entering sell mode)       48 to 51 Hz (auto adjust entering sell mode)         Grid sell requency range (lead/lag)       0.5       0.5       Efficiency         Peak       95.8%       95.8%       95.8%         General specifications       Efficiency       Efficiency         Product / shipping weight       53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)       55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)         Product / shipping weight       53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)       55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)			
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 limit)       3 - 60 A (56 A default)       3 - 60 A (56 A default)         AL comput transfer relay rating / typical transfer time       60 A / 8 ms       60 A / 8 ms         AC input ottage nominal       230 V +/- 3%       230 V +/- 3%         AC input ottage nominal       230 V +/- 3%       230 V +/- 3%         AC grid-tie output       45-55 Hz (default) 40-68 Hz (allowable)       45-55 Hz (default) 40-68 Hz (allowable)         AC grid-tie output		440 to 10000 An	440 to 10000 An
AC 2 (generator) input current (selectable limit)       3 - 60 A (56 A default)       3 - 60 A (56 A default)         Automatic transfer relay rating / typical transfer time       60 A / 8 ms       60 A / 8 ms         AC input frequency range (typass/charge mode)       45-55 Hz (default) 40-68 Hz (allowable)       45-55 Hz (default) 40-68 Hz (allowable)         AC grid-tie output       45-55 Hz (default) 40-68 Hz (allowable)       45-55 Hz (default)       40-68 Hz (allowable)         AC grid-tie output       50 V × /- 3%       6.0 KVA       6.0 KVA         Grid sell on AC1 (max)       4.5 KVA       6.0 KVA       0 to 27 A         Grid sell oftage range on AC1       205 to 262 Vrms (auto adjust entering sell mode)       205 to 262 Vrms (auto adjust entering sell mode)         Grid sell oftage range on AC1       48 to 51 Hz (auto adjust entering sell mode)       0.5       265         Grid sell oftage range on AC1       86 to 51 Hz (auto adjust entering sell mode)       0.5       265         Grid sell oftage range on AC1       86 to 51 Hz (auto adjust entering sell mode)       0.5       265         Grid sell oftage range on AC1       86 to 51 Hz (auto adjust entering sell mode)       0.5       265         Grid sell ortage range on AC1       86 to 51 Hz (auto adjust entering sell mode)       567 to 262 Vrms (auto adjust entering sell mode)       567 to 260 Vrms (auto adjust entering sell mode)       567 to 261 Vr		0 00 A (50 A L C W	0.00 A /50 A L /
Automatic transfer relay rating / typical transfer time     60 A / 8 ms     60 A / 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)     45–55 Hz (default) 40–68 Hz (allowable)       AC grid-tie output     45. KVA     6.0 KVA       Grid sell on AC1 (max)     4.5 KVA     6.0 KVA       Grid sell on AC1 (selectable range)     0 to 20 A     0 to 27 A       Grid sell voltage range on AC1     48 to 51 Hz (auto adjust entering sell mode)     205 to 262 Vms (auto adjust entering sell mode)       Grid sell frequency range on AC1     48 to 51 Hz (auto adjust entering sell mode)     0.5       Grid sell prover factor range (fead/lag)     0.5     0.5       Efficiency     95.8%     95.8%       Part number     865-7048-61     865-8548-61       Product / shipping weight     53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)     55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)       Product / shipping weight     53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)     58.4 H × 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)     71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)       Product / shipping and network communications     Available     Available       Indiagram differences     Grid sell, peak load shave, generator support, prioritized consumption of battery or extern			
AC input voltage nominal       230 V +/- 3%       230 V +/- 3%         AC input trequency range (bypass/charge mode)       45–55 Hz (default) 40–68 Hz (allowable)       45–55 Hz (default) 40–68 Hz (allowable)         AC grid-tie output			
AC input frequency range (bypass/charge mode) AC grid-tie output AC grid-tie output			
AC grid-tie output       4.5 kVA       6.0 kVA         Grid sell on AC1 (max)       4.5 kVA       0 to 27 A         Grid sell current range on AC1 (selectable range)       0 to 20 A       0 to 27 A         Grid sell voltage range on AC1       205 to 262 Vrms (auto adjust entering sell mode)       205 to 262 Vrms (auto adjust entering sell mode)         Grid sell frequency range on AC1       48 to 51 Hz (auto adjust entering sell mode)       48 to 51 Hz (auto adjust entering sell mode)         Grid sell power factor range (lead/lag)       0.5       0.5         Efficiency       95.8%       95.8%         Peak       95.8%       95.8%         General specifications       865-7048-61       865-8548-61         Product / shipping weight       53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)       55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)         Product dimensions (H x W x D)       71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)       71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)         Preature range       -25°C to 70°C (-13°F to 158°F) (power derated abcve 25°C (77°F)       Waranty (Depending on the country of installation)         Poer ting air temperature range       -25°C to 70°C (-13°F to 158°F) (power derated abcve 25°C (77°F)       Waranty (Depending on the country of installation)       2 or 5 years         Features       Grid sell, peak load shave, generator support, prioritized consumption of battery or externa			
Grid sell on AC1 (max)4.5 kVA6.0 kVAGrid sell current range on AC1 (selectable range)0 to 20 A0 to 27 AGrid sell voltage range on AC1205 to 262 Vrms (auto adjust entering sell mode)205 to 262 Vrms (auto adjust entering sell mode)Grid sell frequency range on AC148 to 51 Hz (auto adjust entering sell mode)48 to 51 Hz (auto adjust entering sell mode)Grid sell power factor range (lead/lag)0.50.5Efficiency0.50.5Peak95.8%95.8%General specifications865-7048-61865-8548-61Product / shipping weight53.5 kg (18.0 lb) / 75.0 kg (165.0 lb)55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)Product / shipping weight53.5 kg (18.0 lb) / 75.0 kg (165.0 lb)55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)Poduct dimensions (H x W x D)71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)Preating air temperature range-25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)Warranty (Depending on the country of installation2 or 5 yearsFeaturesSystem monitoring and network communicationsAvailableIntelligent featuresGrid sell, peak load shave, generator support, prioritized consumption of battery or external DC energyAvailary port0 to 12 V, maximum 250 m A DC output, selectable triggersOff-grid AC couplingFrequency controlMutil-unit operationSingle phase: up to for units in parallel, three phase: up to 12 units in mutil-cluster configuration with external ACRegulatory approvalCU or units in parallel, three ph		45–55 Hz (default) 40–68 Hz (allowable)	45–55 Hz (default) 40–68 Hz (allowable)
Grid sell current range on AC1 (selectable range)0 to 20 A0 to 27 AGrid sell voltage range on AC1205 to 262 Vrms (auto adjust entering sell mode)205 to 262 Vrms (auto adjust entering sell mode)Grid sell requency range on AC148 to 51 Hz (auto adjust entering sell mode)48 to 51 Hz (auto adjust entering sell mode)Grid sell power factor range (lead/lag)0.50.5Efficiency0.50.5Peak95.8%95.8%General specifications865-7048-61865-8548-61Product / shipping weight53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)Product dimensions (H x W x D)71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)Pid egree of protectionIP20IP20Operating air temperature range-25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)Warranty (Depending on the country of installation)2 or 5 years2 or 5 yearsFeaturesSystem monitoring and network communicationsAvailableIntelligent featuresGrid sell, peak load shave, generator support, prioritized consumption of battery or external DC energyAuxiliary port0 to 12 V, maximum 250 mA DC output, selectable triggersOff-grid AC couplingFrequency ontrolKuti-unit operationSingle phase: up to for units in parallel, three phase: up to 12 units in multi-cluster configuration with external ACRegulatory approvalSingle phase: up to for units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC			
Grid sell voltage range on AC1         205 to 262 Vms (auto adjust entering sell mode)         205 to 262 Vms (auto adjust entering sell mode)           Grid sell frequency range on AC1         48 to 51 Hz (auto adjust entering sell mode)         48 to 51 Hz (auto adjust entering sell mode)           Grid sell power factor range (lead/lag)         0.5         0.5           Efficiency         95.8%         95.8%           General specifications         865-7048-61         865-8548-61           Product / shipping weight         53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)         55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)           Product / shipping weight         53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)         58.4 1 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)         71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)           IP degree of protection         IP20         11 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)         71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)           Vertres         20 r 5 years         2 or 5 years         2 or 5 years           Features         20 r 5 years         2 or 5 years           System monitoring and network communications         Available         Available           Intelligent features         Grid sell, peak load shave, generator support, prioritized consumption of battery or external DC energy           Available			
Grid sell frequency range on AC1       48 to 51 Hz (auto adjust entering sell mode)       48 to 51 Hz (auto adjust entering sell mode)         Grid sell power factor range (lead/lag)       0.5       0.5         Efficiency       95.8%       95.8%         Peak       95.8%       95.8%         General specifications       865-7048-61       865-8548-61         Product / shipping weight       53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)       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)       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)       71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)         IP degree of protection       IP20       IP20       IP20         Operating air temperature range       -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)       IP20         Waranty (Depending on the country of installation)       2 or 5 years       2 or 5 years         Features       Grid sell, peak load shave, generator support, prioritized consumption of battery or external DC energy         Auxiliary port       0 to 12 V, maximum 250 m A DC output, selectable triggers         Off-grid AC coupling       Frequency control         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-clust			
Grid sell power factor range (lead/lag)         0.5         0.5           Efficiency         95.8%         95.8%           Peak         95.8%         95.8%           General specifications         865-7048-61         865-8548-61           Product / shipping weight         53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)         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)         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)         71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)           IP degree of protection         IP20         92         92         92           Operating air temperature range         -25°C to 70°C (-13°F to 158°F) (power derated abov = 25°C (77°F)         92           Queranty (Depending on the country of installation)         2 or 5 years         2 or 5 years         2 or 5 years           Features         System monitoring and network communications         Available         11 kilbiper features         11 k 2V, maximum 250 mA DC output, selectable triggers           Off-grid AC coupling         Frequency control         12 V, maximum 250 mA DC output, selectable triggers         12 units in multi-cluster configuration with external AC           Regulatory approval         CE marked according to the following EU directives and standards:			······
Efficiency         Peak       95.8%         General specifications         Part number       865-7048-61         Product / shipping weight       53.5 kg (118.0 lb) / 75.0 kg (165.0 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)         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)         Product dimensions (H x W x D)       71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)         Product gree of protection       IP20         Operating air temperature range       -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)         Waranty (Depending on the country of installation)       2 or 5 years         Peatures       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 m ADC output, selectable triggers         Off-grid AC coupling       Frequency control         Muti-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       Ce marked according to the following EU directives and	Grid sell frequency range on AC1	48 to 51 Hz (auto adjust entering sell mode)	48 to 51 Hz (auto adjust entering sell mode)
Peak95.8%95.8%General specificationsPart number865-7048-61865-8548-61Product / shipping weight53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)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)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)71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)IP degree of protectionIP20Operating air temperature range-25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)Waranty (Depending on the country of installation)2 or 5 years2 or 5 yearsFeaturesSystem monitoring and network communicationsAvailableIntelligent featuresGrid sell, peak load shave, generator support, prioritized consumption of battery or external DC energyAuxiliary port0 to 12 V, maximum 250 mA DC output, selectable triggersOff-grid AC couplingFrequency controlMulti-unit operationSingle phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external ACRegulatory approvalCE marked according to the following EU directives and standards:	Grid sell power factor range (lead/lag)	0.5	0.5
General specifications         Part number       865-7048-61       865-8548-61         Product / shipping weight       53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)       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)       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)       71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)         IP degree of protection       IP20         Operating air temperature range       -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)         Warranty (Depending on the country of installation)       2 or 5 years         Patures       2 or 5 years         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         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-duster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	Efficiency		
Part number865-7048-61865-8548-61Product / shipping weight53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)Product / shipping weight58 x 41 x 23 cm (23 x 16 x 9 in)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)71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)IP degree of protectionIP20IP20Operating air temperature range-25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)Warranty (Depending on the country of installation)2 or 5 years2 or 5 yearsFeaturesSystem monitoring and network communicationsAvailableGrid sell, peak load shave, generator support, prioritized consumption of battery or external DC energyAuxiliary port0 to 12 V, maximum 250 mA DC output, selectable triggersOff-grid AC couplingFrequency controlMulti-unit operationSingle phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external ACRegulatory approvalCE marked according to the following EU directives and standards:	Peak	95.8%	95.8%
Product / shipping weight53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)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)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)71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)IP degree of protectionIP20Operating air temperature range-25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)Warranty (Depending on the country of installation)2 or 5 years2 or 5 years2 or 5 yearsFeaturesSystem monitoring and network communicationsAvailableGrid sell, peak load shave, generator support, prioritized consumption of battery or external DC energyAuxiliary port0 to 12 V, maximum 250 mA DC output, selectable triggersOff-grid AC couplingFrequency controlMulti-unit operationSingle phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external ACRegulatory approvalCE marked according to the following EU directives and standards:	General specifications		
Product dimensions (H x W x D)58 x 41 x 23 cm (23 x 16 x 9 in)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)71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)IP degree of protectionIP20Operating air temperature range-25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)Warranty (Depending on the country of installation)2 or 5 years2 or 5 years2 or 5 yearsFeaturesSystem monitoring and network communicationsAvailableGrid sell, peak load shave, generator support, prioritized consumption of battery or external DC energy0 to 12 V, maximum 250 mA DC output, selectable triggersOff-grid AC couplingFrequency controlMulti-unit operationSingle phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external ACRegulatory approvalCE marked according to the following EU directives and standards:	Part number	865-7048-61	865-8548-61
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)       71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)         IP degree of protection       IP20         Operating air temperature range       -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)         Warranty (Depending on the country of installation)       2 or 5 years       2 or 5 years         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         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	Product / shipping weight	53.5 kg (118.0 lb) / 75.0 kg (165.0 lb)	55.2 kg (121.7 lb) / 76.7 kg (169.0 lb)
IP degree of protection       IP20         Operating air temperature range       -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)         Warranty (Depending on the country of installation)       2 or 5 years       2 or 5 years         Features         System monitoring and network communications       Available         Intelligent features       Grid sell, peak load shave, generator support, prioritized consumption of battery or external DC energy         Auxillary port       0 to 12 V, maximum 250 mA DC output, selectable triggers         Off-grid AC coupling       Frequency control         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval         CE marked according to the following EU directives and standards:	Product dimensions (H x W x D)	58 x 41 x 23 cm (23 x 16 x 9 in)	58 x 41 x 23 cm (23 x 16 x 9 in)
Operating air temperature range       -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)         Warranty (Depending on the country of installation)       2 or 5 years         Features       2 or 5 years         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         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	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)	71.1 x 57.2 x 39.4 cm (28.0 x 22.5 x 15.5 in)
Warranty (Depending on the country of installation)       2 or 5 years       2 or 5 years         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         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	IP degree of protection	IP20	
Features       Available         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         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	Operating air temperature range	-25°C to 70°C (-13°F to 158°F) (power derated abo	ove 25°C (77°F)
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         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	Warranty (Depending on the country of installation)	2 or 5 years	2 or 5 years
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         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	Features		
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         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	System monitoring and network communications	Available	
Auxiliary port       0 to 12 V, maximum 250 mA DC output, selectable triggers         Off-grid AC coupling       Frequency control         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:	· · · · · · · · · · · · · · · · · · ·		
Off-grid AC coupling       Frequency control         Multi-unit operation       Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC         Regulatory approval       CE marked according to the following EU directives and standards:			
Multi-unit operation Single phase: up to four units in parallel, three phase: up to 12 units in multi-cluster configuration with external AC Regulatory approval CE marked according to the following EU directives and standards:			
Regulatory approval CE marked according to the following EU directives and standards:	······		up to 12 units in multi-cluster configuration with external AC contractor
CE marked according to the following EU directives and standards:			
-		and standards.	
	EMC directive	EN61000-6-1, EN61000-6-3, EN61000-3-2	
		······	
Safety         IEC 62109-1, IEC 62109-2           RCM marked and compliant         AS 4777.2, AS 4777.3			

Specifications are subject to change without notice.

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



XW+ Power Distribution Panel (without AC Breakers) Product no. 865-1014-01



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



**Conext Battery Monitor** Product no. 865-1080-01 Conext Battery Fuse Combiner Box 250

Product no. 865-1032

Conext System Control Panel

MPPT 80 600 solar charge controller

Product no. 865-1050-01

Product no. 865-1031-01

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Conext Automatic Generator Start Product no. 865-1060-01

Conext Combox communication device

Product no. 865-1058

XW Configuration Tool Product no. 865-1155

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