Conext XW+
hybrid inverter/charger

One solution for global power needs

Product at a glance

Conext™ XW+ is an adaptable single-phase and three-phase inverter/charger system with grid-tie functionality and dual AC power inputs. Compatible solar charge controllers, monitoring, and automated generator control modules enable further compatibility. From a single Conext XW+ unit to clusters up to 76.5 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 a complete solution for grid-interactive and off-grid, residential and commercial, solar and backup power applications.

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 to export to the utility grid

Designed for reliability
• Extensive quality and reliability testing
• Highly accelerated life testing
• Globally proven and recognized field performance

Flexible
• Single or three-phase off-grid systems from 7.0 kW to 76.5 kW (30 minutes rating at 25 °C)
• 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 application

Residential grid-tie solar with backup power
Self-consumption
Off-grid solar
Backup power
Community electrification
Conext XW+ series (230 V for Australia)

### Device short name
- **XW+ 7048 E**
- **XW+ 8548 E**

### Inverter AC output (standalone)
- **Output power (continuous) at 25°C**: 5000 W / 6800 W
- **Overload 30 min/60 sec at 25°C**: 7000 W / 9500 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 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

### Charger DC output
- **Maximum output charge current**: 90 A / 140 A
- **Maximum AC input current**: 20 A / 29.6 A
- **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 stages, two stage, boost, custom
- **Charge temperature compensation**: Battery temperature sensor included / Battery temperature sensor included
- **Power factor corrected charging**: 0.98 / 0.98
- **Compatible battery types**: Flooded (default), Gel, AGM, Lithium ion, custom* / Flooded (default), Gel, AGM, Lithium ion, custom*
- **Battery bank range (scaled to PV array size)**: 440 to 10000 Ah / 440 to 10000 Ah

### AC input
- **AC 1 (grid) input current (selectable limit)**: 3 – 60 A (20 A default) / 3 – 60 A (20 A default)
- **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 voltage nominal**: 230/240 V / 230/240 V
- **AC input frequency range (bypass/charge mode)**: 45 – 55 Hz (default) / 45 – 55 Hz (default)
- **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)

### Efficiency
- **Peak**: 96.8% / 95.8%

### General specifications
- **Part number**: 865-7048-61* / 865-8548-61
- **Application**: On-grid and off-grid / Off-grid
- **Product/shipping weight**: 53.5 kg/75.0 kg / 55.2 kg/76.7 kg
- **Product dimensions (H x W x D)**: 580 x 410 x 230 mm / 580 x 410 x 230 mm
- **Shipping dimensions (H x W x D)**: 711 x 572 x 394 mm / 711 x 572 x 394 mm
- **IP degree of protection**: IP20 / IP20
- **Operating air temperature range**: -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F)) / -25°C to 70°C (-13°F to 158°F) (power derated above 25°C (77°F))
- **Warranty**: 5 years / 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

### Regulatory approval
- **CE marked according to the following EU directives and standards**: RCM marked and compliant AS 4777.2:2005, AS4777.3:2005 CEC Listed, EN61000-6-1, EN61000-6-3, EN61000-3-2, IEC62109-1, IEC62109-2

### Compatible products
- **Conext Response**: 865-1110
- **Conext XW+ Conduit Box**: 865-1025-01
- **Conext System Control Panel**: 865-1050-01
- **Conext Automatic Generator Start**: 865-1060-01
- **Conext MPPT 60 150**: 865-1030-01
- **Conext MPPT 80 600**: 865-1032
- **Conext ComBox**: 865-1058
- **Conext Battery Monitor**: 865-1080-01
- **Conext Battery Fuse Combiner Box**: 865-1031-01
- **Conext Configuration Tool**: 865-1155-01

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Specifications are subject to change without notice.