



# EDEE 6.8KW SOLAR GENERATOR

The Conext™ XW+ (shown) is an adaptable single-phase and three-phase hybrid inverter with grid-tie functionality and dual AC power inputs. One solution for grid-interactive and off-grid, residential and commercial, solar and backup power applications.

Device short name	XW+ 6848 NA
<b>Inverter AC output (standalone)</b>	
Output power (continuous) at 25°C	6800 W
Overload 30 min/60 sec at 25°C	8500 W/12000 W
Output power (continuous) at 40°C	6000 W
Maximum output current 60 seconds (rms)	102 A (120 V); 52 A (240 V)
Output frequency (selectable)	50/60 Hz
Output voltage	L-N: 120 V +/- 3%; L-L: 240 V +/- 3%
Total harmonic distortion at rated power	< 5 %
Idle consumption search mode	< 8 W
Input DC voltage range	42 to 60 V (48 V nominal)
Maximum input DC current	180 A
<b>Charger DC output</b>	
Maximum output charge current	140 A
Output charge voltage range	40 – 64 V (48 V nominal)
Charge control	Three stage, two stage, boost, custom
Charge temperature compensation	Battery temperature sensor included
Power factor corrected charging	0.98
Compatible battery types	Flooded (default), Gel, AGM, Lithium ion, custom*
Battery bank range (scaled to PV array size)	440 – 10000 Ah
<b>AC input</b>	
AC 1 (grid) input current (selectable limit)	3 – 60 A (60 A default)
AC 2 (generator) input current (selectable limit)	3 – 60 A (60 A default)
Automatic transfer relay rating/typical transfer time	60 A/8 ms
AC input voltage limits (bypass/charge mode)	L-N: 78 - 140 V (120 V nominal); L-L: 160 - 270 V (240 V nominal)
AC input frequency range (bypass/charge mode)	55 – 65 Hz (default) 52 – 68 Hz (allowable)
<b>AC grid-tie output</b>	
Grid sell current range on AC1(selectable limit)	0 to 48 A (120 V) / 0 to 27 A (240 V)
Grid sell voltage range on AC1 (auto adjusts entering sell mode)	L-N: 105.5 to 132 +/- 1.5 V; L-L: 211 to 264 +/- 3.0 V
Grid sell frequency range on AC1 (auto adjust entering sell mode)	59.4 to 60.4 +/- 0.05 Hz

**24 Premium Solar Panels**

**Averages 37 to 50 KWH of Electricity Per Day**

**Includes 10KWH Deep-Cycle Battery**

**Silent Operation With Almost Zero-Maintenance**

**WIFI Monitoring Enabled**

**3<sup>RD</sup> ROCK SOLAR**

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