Residential grid-tie solar with backup (Retrofit FIT meter installations)

PV modules

PV inverter

Grid - AC 120/240V or 230V

Main AC Panel

FIT Meter

Residential Meter

Grid

PV inverter

*Conext™ XW+ with XW+ Power Distribution Panel

**Conext™ SW with SW Power Distribution Panel

Conext™ SCP

Conext™ Gateway

Conext™ Battery Monitor

Conext™ Gateway

Conext™ Insight 2

Inverter Out - AC 120/240V or 230V

AC Sub Panel

Residential load

Battery

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XW+ Single-phase or split-phase (120/240VAC or 230 VAC) solution (7.0kW – 25.5 kW)

*Up to two slave units are optional to increase power

SW Single-phase or split-phase (120/240VAC or 230 VAC) solution (2.5 kW – 8.0 kW)

**Additional slave unit is optional to increase power

Conext inverter charger is added behind PV inverter to provide backup, no change to PV inverter FIT wiring is required. However backup power is limited to the capacity of the battery bank and the solar system cannot be used to charge the batteries while the grid is down.

Note: Confirm AC coupling compatibility with PV inverter manufacturer prior to installation

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