

RaVolt Whole-Home Power: Always Outside, Always On

RAVOLT IS A WHOLE HOME POWERPLANT

The RaVolt Home Power Plant is a patented integration of power generation and energy storage that allows for a completely grid independent home. Our box arrives on site fully integrated and preconfigured for a plug and play 1 day installation.



WHY RAVOLT?

Easy To Install

- No solar experience required
- One day install / recovery
- More installations / Same crew
- Racking / Module / Generator independent
- No integration required / preconfigured

Safe

- All equipment is safely outside the home
- No work required inside the home

Robust

- True redundant residential microgrid system
- Up to 4 independent power sources accepted
- Active climate control for full functioning power from -10F - 120F for harsh climates
- Remote support / monitoring services available

Spatially Conscious

- No in-home space required
- A complete microgrid solution in one unit
- Small footprint

Uses	Living Off Grid	Full Grid Independence	Partial Back Up System
Primary Power Source	Solar + Wind + Batteries	Solar + Wind + Batteries	Grid
Backup Power Source	Generator	Grid and/or Generator	Solar + Wind + Batteries + Generator
Standby Generator	Required*	Optional	Optional
Grid Sell Option	NO	YES	YES

*REQUIRED TO GIVE FULL FUNCTIONALITY AT STATED OPERATIONAL TEMPERATURES (-10F - 120F)

RAVOLT MODELS & CLASSIFICATIONS

Inverter Power	11kW	15kW	22kW	30kW
Solar array max kW	20kW DC	19kW DC	40kW DC	38kW DC
AC kw(A) Batt only	11.4kW(47.5A)	12kW(50A)	22.8kW(95A)	24kW(100A)
AC kw(A) Batt + Solar	11.4kW(47.5A)	15kW(63.5A)	22.8kW(95A)	30kW(127A)
Max AC in	71.3A	200A	132.6A	400A
Back-up generator connection	Yes	Yes	Yes	Yes
Battery Capacity	10kWh - 60kWh	10kWh - 80kWh	10kWh - 80kWh	30kWh - 80kWh

Standard Specification:

- (1) inverter at rated power from table per cabinet
- Battery Storage capacity per table
- AC in: Non-Fused visible gap Disconnect
- AC Out: MCB Load Center, feed through lugs, 8 Circuit
- PV in: 2 string PV Disconnects for all inverter MPPTs
- Forced Air cooling
- In cabinet heat
- Wireless/Wired ethernet connection Box
- Cell Modem - Pre-wired Cell Modem for immediate remote support, 1 year cell service included
- Concrete pad anchors, angles, screws

Options/Accessories:

- Onsite Power Plug including a 50A RV plug and 20A GFCI
- Rapid Shutdown Ready - External button and power supply prewired to inverter. Transmitter and on panel receiver is not included
- Battery Box - Extra battery cabinet that can hold an additional 10kWh - 40kWh

What you provide:

- Solar Modules
- Racking
- Wire and conduit to and from RaVolt box (see gen 2 manual for estimated list)
- If rooftop, rapid shutdown receivers
- Installation

