



RAVOLT IS A WHOLE HOME POWERPLANT

The RaVolt Home Power Plant is a patented integration of power generation and energy storage allows for a completely grid independent home. We focus on keeping our power plant's install time to 1 day. We've thought of everything, so our box arrives on site fully integrated and preconfigured for a plug and play installation.



WHY IT MAKE SENSE TO PARTNER WITH 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 off-grid, redundant system
- Up to 3 independent power sources accepted
- Active heating and cooling fans for harsh climates
- Remote support / monitoring

Spatially Conscious

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

PRODUCT CONFIGURATIONS

Off-Grid



Whole-Home Grid Tied



Partial-Home Grid Tied



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

RAVOLT MODELS & CLASSIFICATIONS

	Off-Grid 12kW	8kW	12kW	15kW	30kW
Application	Tiny Home or Off-grid Cabin	Partial Backup Grid Tied	Whole-Home On/Off Grid		
Solar array max kW	7kW DC	12kW DC	18kW DC	19kW DC	38kW DC
AC kw(A) Batt only	12kW(50A)	8kW(38A)	12kW(50A)	12kW(50A)	24kW(100A)
AC kw(A) Batt + Solar	12kW(50A)	8kW(38A)	12kW(50A)	15kW(63.5A)	30kW(127A)
Max AC in	100A	38A	200A	200A	400A
Back-up generator connection	Yes	Yes	Yes	Yes	Yes
Battery Capacity	10kWh - 30kWh	5kWh - 30kWh	10kWh - 60kWh	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
- Concrete pad anchors, angles, screws

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 transmitter and receivers
- Installation

Options/Accessories:

- Fused Disconnect - Visible gap system disconnect with fusing, required when there is no arc fault protect upstream from RaVolt unit
- No Disconnect - Direct wire AC source to inverter internal to cabinet. Only allowed if upstream Arc fault protect is present and no disconnect is required for Solar installation by utility
- Manual Bypass - Mechanical interlock placed in Load center and connected to line side of AC service. This allows for complete bypass of the RaVolt system for system maintenance and a third redundant power source in case of emergency
- 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
- Enclosure Pad - Pre-engineered Pad for enclosure mounting and anchoring if there is no preformed and poured pad at site
- Cell modem - Prewired Cell modem for remote support where no internet network is available, SIM card is installer / end user responsibility