

BACKUP POWER OPTIONS

APRIL 15, 2023

Option	Cost Range	What can it Do?	Convenience	Remarks
Generator	\$400 - \$3000	Powers anything not hard-wired; 120 and 240 Volts	Requires Extension Cords, must be outside	Avail. hybrid for gasoline and propane; also avail. for diesel; requires periodic maintenance; noisy
Small Battery (0.8 – 1.5 1 kWh)	\$1000 - \$1500	Medical devices, Internet, lights (each alone for several days)	Portable, quiet, no GHGs; use inside residence	Can be recharged with generator
Medium-size Battery (6 - 8 kWh)	\$6000- \$8000	Refrigerator, Internet, TV, Lights for 2-4 days; also some septic systems and heaters	Quiet, Indoors, no GHG's, portable, can use to power tools	No installation expense; ready to use; recharge with Generator or grid for continuous use
Add a Generator to a Battery	\$400-600	Recharge the battery	See Above	Useful in prolonged power outage; uses 1lb fuel/hr
Add Transfer Switch to Battery or Generator	\$300 plus \$1500 installation	Semi-automatic activation of selected circuits	No extension cords; protects vacant house	Also works well with stand-alone Generator
Fully Automated Solar with Storage and Generator backup	\$25,000 - \$40,000	Full household functions independent of the grid	Fully automated; maintenance necessary	Good for Guests/rentals; Can sell power back to Utility (cycling energy loss)

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