

battery backup vs. generator

Battery backup power offers many of the same backup power functions as conventional generators but without the need for refueling. Refer to the chart below for a comparison of battery backup versus a conventional generator, including a review of factors like cost, fuel supply, size, features, and maintenance.

¥

(not all of the above

devices can be

powered at once).



devices can be powered at once).

Tesla Powerwall 2

sizo: 13.5 k/W
fuel source: solar / electric
fuel consumption: variable
voltagte: 120/240 single-phase
surge watts: 7,000 peak
rated Amps: 30 Amps
decible rating: 0
transfer switch: automatic
warranty: 10 years
product depth: 5.5"
product width: 29"
product height: 44"
load management capability: integrated
monitoring app: yes
operating temp: down to -4°F
maintenance: none
tax credit: YES
state rebate: YES
10-yr operating costs: \$0
10-yr energy savings: -\$6,670
Total adjusted est. 10-year cost of ownership: * \$1,729

SLA

* Total adjusted est. lifetime cost based on a \$200/mo energy bill, adding solar for 100% energy offset, and a single Powerwall. Does NOT take into considerstion inflation, or any increase/decrease in grid energy rates, which would likely decrease operasting costs even further.

Gas Generator



size: 13kW	
fuel source: LP, natural gas, di	esel
fuel consumption: 1.6 gal / hr	
voltagte: 120/240 single-phase	;
surge watts: 13,000 peak	
rated Amps: 54.2 Amps	
decible rating: 65	
transfer switch: automatic	
warranty: 5 year, 2,000 hour lin	nited
product depth: 34.1"	
product width: 36"	
product height: 27.3"	
load management capability: no	ot included
monitoring app: no	
operating temp: down to 0°F	
maintenance: yearly	
tax credit: NO	
state rebate: NO	
10-yr operating costs: \$1,000	
10-yr energy savings: \$0	
Total adjusted est. 10-year c of ownership:	ost \$11,409

RESIDENTIAL • COMMERCIAL • SERVICE Solar Electric, Water Heating, Pool Heating • Battery Storage • Radiant Heating • LED Lighting 4700 El Camino Real Atascadero, CA 93422 • p: 805-466-5595 • f: 805-466-3395 • solarponics.com • LIC. 391670 • SINCE 1975 #19-019 19-126 Solarponics is a Tesla Powerwall Certified Installer. ©2019