



Peace of mind from whole-home backup

by Kevin Lehman, Solar Advisor with SunCommon

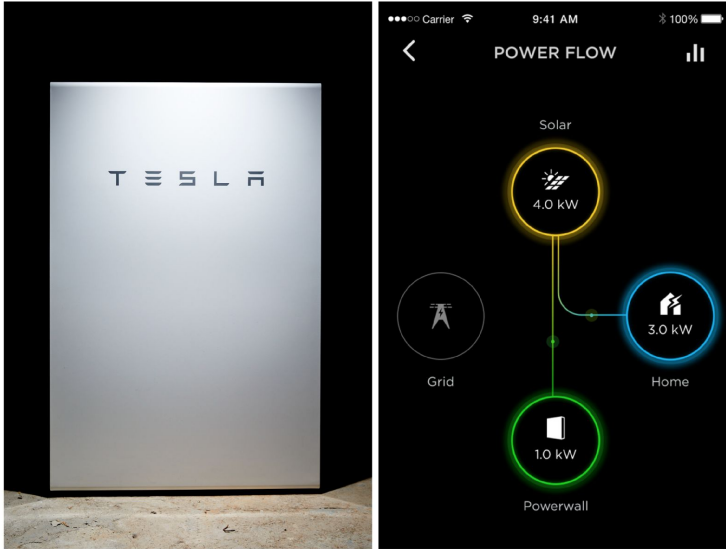
“Since 2013 I’ve helped [over 1,000 Vermonters](#) go solar. I am happy to answer questions from anyone who wants to learn more about solar and / or batteries!”

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Schedule a free solar or battery assessment [here](#) (virtual) and see my bio [here](#).

Batteries vs. Blackouts



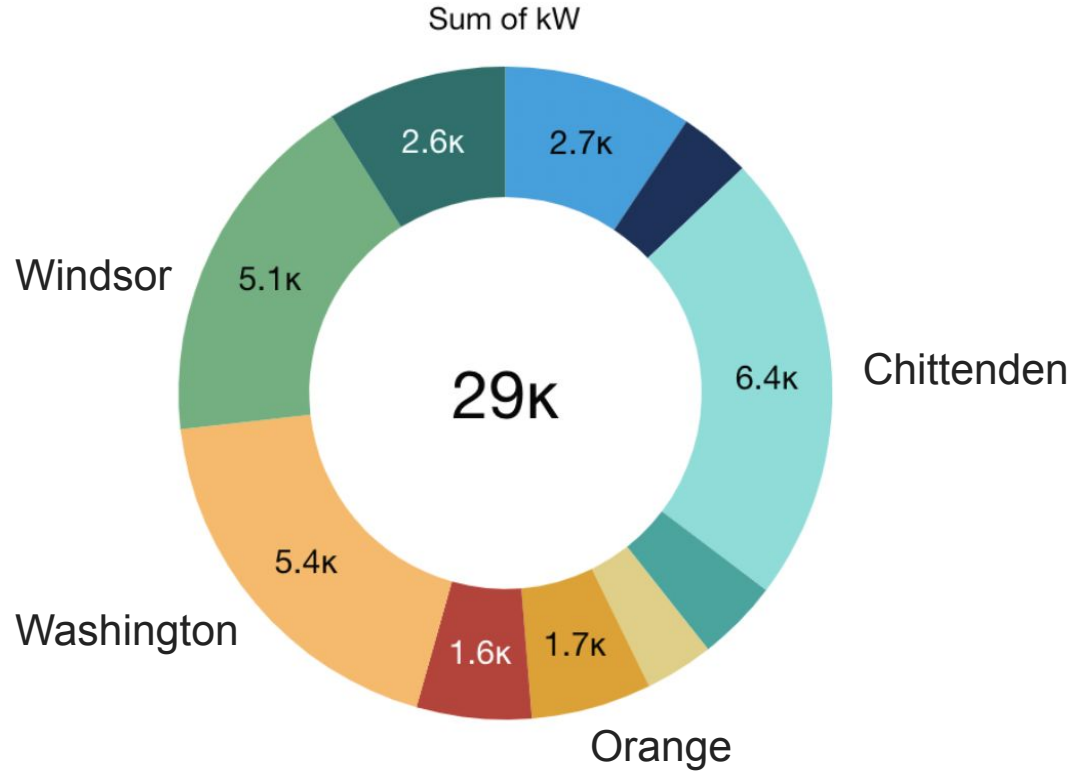
Keep your furnace, fridge, lights, well pump, and internet router running when the grid is down!



Space / Location Requirements:

- Indoor space
- 4.5' X 7' wall space near panel
- Ideally, 150A or 200A service

SunCommon: 2,000 Tesla batteries since 2018



Many benefits compared to generator

- No operating costs
- No fumes or noise
- No maintenance
- No fossil fuels
- No gas tank
- Nothing to look at outside
- LESS \$\$ than a whole-home gen





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GMP “BYOD” (ownership): can install this year

- Ten-year program, but can keep the batteries until end of useful life
- GMP has access and will take you “off-grid” a few times / month

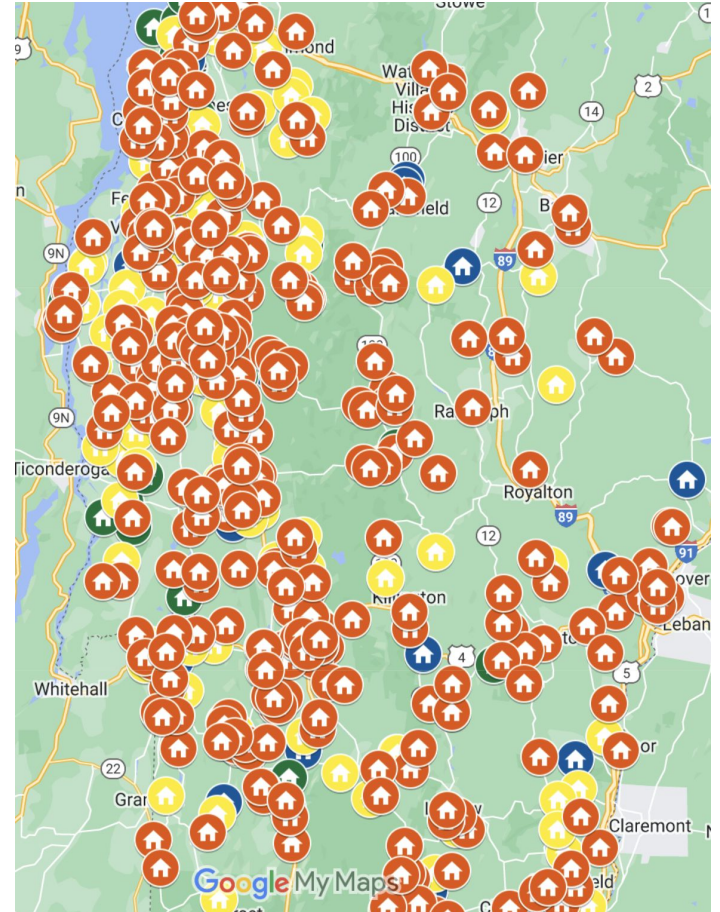
GMP Lease (WAITLIST: Sold out until 2025)

- Ten-year program, but can keep the batteries for up to 15
- GMP has access and will take you “off-grid” a few times / month

More info about both programs [here](#).

FAQs

- What can the batteries power?
- How long will they last during outage?
- Lifespan and warranty?
- How do they work with solar?
- Installation timeline?
- Next Steps?



PERFORMANCE SPECIFICATIONS

AC Voltage (Nominal)	120/240 V
Feed-In Type	Split Phase
Grid Frequency	60 Hz
Total Energy	14 kWh
Usable Energy	13.5 kWh
Real Power, max continuous	5 kW (charge and discharge)
Real Power, peak (10 s, off-grid/backup)	7 kW (charge and discharge)
Apparent Power, max continuous	5.8 kVA (charge and discharge)
Apparent Power, peak (10 s, off-grid/backup)	7.2 kVA (charge and discharge)
Maximum Supply Fault Current	10 kA
Maximum Output Fault Current	32 A
Overcurrent Protection Device	30 A
Imbalance for Split-Phase Loads	100%
Power Factor Output Range	+/- 1.0 adjustable
Power Factor Range (full-rated power)	+/- 0.85
Internal Battery DC Voltage	50 V
Round Trip Efficiency^{1,3}	90%
Warranty	10 years

¹Values provided for 25°C (77°F), 3.3 kW charge/discharge power.

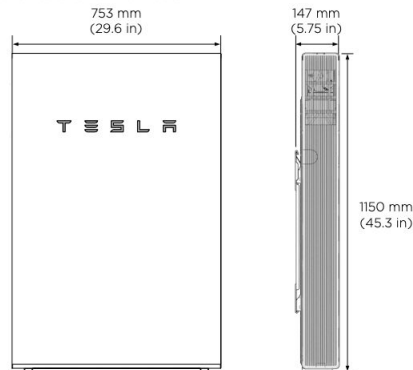
²In Backup mode, grid charge power is limited to 3.3 kW.

³AC to battery to AC, at beginning of life.

MECHANICAL SPECIFICATIONS

Dimensions¹	1150 mm x 755 mm x 147 mm (45.3 in x 29.6 in x 5.75 in)
Weight¹	114 kg (251.3 lbs)
Mounting options	Floor or wall mount

¹Dimensions and weight differ slightly if manufactured before March 2019. Contact Tesla for additional information.



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Recommended Temperature	0°C to 30°C (32°F to 86°F)
Operating Humidity (RH)	Up to 100%, condensing
Storage Conditions	-20°C to 30°C (-4°F to 86°F) Up to 95% RH, non-condensing State of Energy (SoE): 25% initial
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Type	NEMA 3R
Ingress Rating	IP67 (Battery & Power Electronics) IP56 (Wiring Compartment)
Wet Location Rating	Yes
Noise Level @ 1m	< 40 dBA at 30°C (86°F)



Thank You!

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[Web and Bio](#)

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