

# BRIGHTVAULT® **The power to empower homes of the highest caliber.**

Power is the lifeblood of today's most prominent homes, and it reflects how important an uninterrupted supply has become to daily life. For homes of this caliber and the complex automation systems needed to run them, losing power is simply unacceptable. And with today's new zoning/building code standards, unprecedented natural hazards (snow, fire, etc.), and increasing strain on the grid from population growth and outdated public infrastructure, there is an opportunity for you to provide your customers with reliable and efficient home energy storage and management solutions – and profit from it.

Introducing BrightVault, the first energy storage system designed specifically for Custom Integrators and built to integrate with leading Home Automation Systems. BrightVault intelligently powers what's most important to the individual needs of the homeowner; security, internet, lighting, and their electric car charging station – to name a few. BrightVault stores and manages the distribution of energy to where it's needed most, when it's needed most.

BrightVault's Colorado-based technical experts and installers are a turnkey extension of your team without the need for you to add headcount, training or overhead to your staff. By partnering with BrightVault, you have access to an elegant, state-of-the-art energy storage technology solution, and your customers benefit from a system that provides peace of mind, ensuring that their essential home systems will continue running when their power is interrupted.

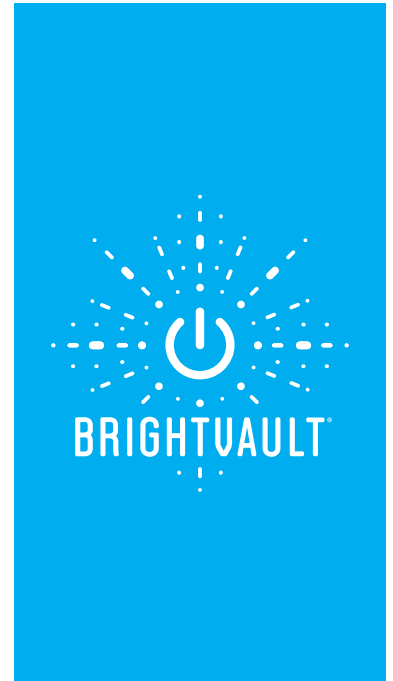


**LEARN MORE ABOUT HOW BRIGHTVAULT'S ENERGY STORAGE SOLUTIONS CAN SUPPORT AND EXPAND YOUR CURRENT SERVICE OFFERINGS.**

**[E-MAIL SALES@BRIGHTVAULT.COM](mailto:SALES@BRIGHTVAULT.COM) FOR MORE INFORMATION.**

## 10.24kWh LiFePO4 Battery Specifications

RATED CAPACITY	10.24KWH
NOMINAL VOLTAGE	48V/51.2V
NOMINAL CAPACITY	200AH
MAX CHARGE VOLTAGE	57.6V
OPERATIONAL VOLTAGE	51.2V
CUT-OFF VOLTAGE	43.2V
MAX CHARGE CURRENT	100A
MAX DISCHARGE CURRENT	100A
DIMENSIONS (LENGTH X WIDTH X DEPTH)	25.6" X 18.9" X 7.5" (650X480X190MM)
WEIGHT	187.5LBS / 85KG
WEIGHT WITH BRACKET	211.65LBS / 96KG
RATED CYCLES	6,000
WARRANTY	10 YEARS
CERTIFICATIONS	UL 1642, IEC62619, ROHS, CE-EMC



	BrightVault®	Sonnen	Tesla Powerwall
System Continuous Power Output - Amps	37.5 - 600Amps	33.33 Amps	25Amps - 200Amps
System Continuous Power Output - Watts	8kW-144kW	7kW	5kW - 50kW
System Peak Power	83 - 1,000 Amps (5 Seconds)	50 Amps (5 Seconds)	30Amps-300Amps (10 Seconds)
Energy Storage Capacity	10.24kWh - Unlimited	12kW-30kWh	14kWh - 140kWh
Battery Chemistry	Lithium Iron Phosphate (LiFePo4)	Lithium Iron Phosphate (LiFePo4)	Lithium Nickel Manganese Cobalt Oxide (LiNiMnCoO2)
Warranty	10 Year / Unlimited Cycles	15 year / 15,000 Cycles	10 Year / Unlimited Cycles
Expected Cycles @ 80% of Original Capacity based on Industry Tests @ 100% DoD *	3,000-4,000+ Cycles	3,000-4,000+ Cycles	1,000-2,500 Cycles
Expected Life @ 80% of Original Capacity**	10-20+ Years	10-20+ Years	5-10+ Years
AC Coupling	✓	✓	✓
DC Coupling	✓	✗	✓
3 Phase Compatible	Yes - All 3 Phases	Yes - Only Single Phase Backed Up	Yes - Only Single Phase Backed Up
Wall Mountable	✓	✓	✓
IOT Device Integration	✓	✓	✗
Home Automation System Integration	✓	With Third Party Equipment	✗

**BRIGHTVAULT.COM • 6899 PECOS ST. UNIT D, DENVER, CO 80221 • SALES@BRIGHTVAULT.COM**

\*Preger6, Y., Barkholtz1, H. M., Fresquez2, A., Campbell3, D. L., Juba4, B. W., Román-Kustas4, J., Ferreira5, S. R., Chalamala6, B., <https://orcid.org/0000-0001-8558-2529>, Y. P., <https://orcid.org/0000-0003-1879-0234>, J. R.-K., & <https://orcid.org/0000-0003-0469-636X>, B. C. (2020, July 30). IOPscience. Journal of The Electrochemical Society. Retrieved January 4, 2022, from <https://iopscience.iop.org/article/10.1149/1945-7111/abae37> \*\* Under typical use a battery will be cycled a Maximum of 1 time per day in "Time of Use" mode. Under "Backup Mode" expected Life Span of the system is much longer. Typical Cycle is 80% Depth of Discharge.