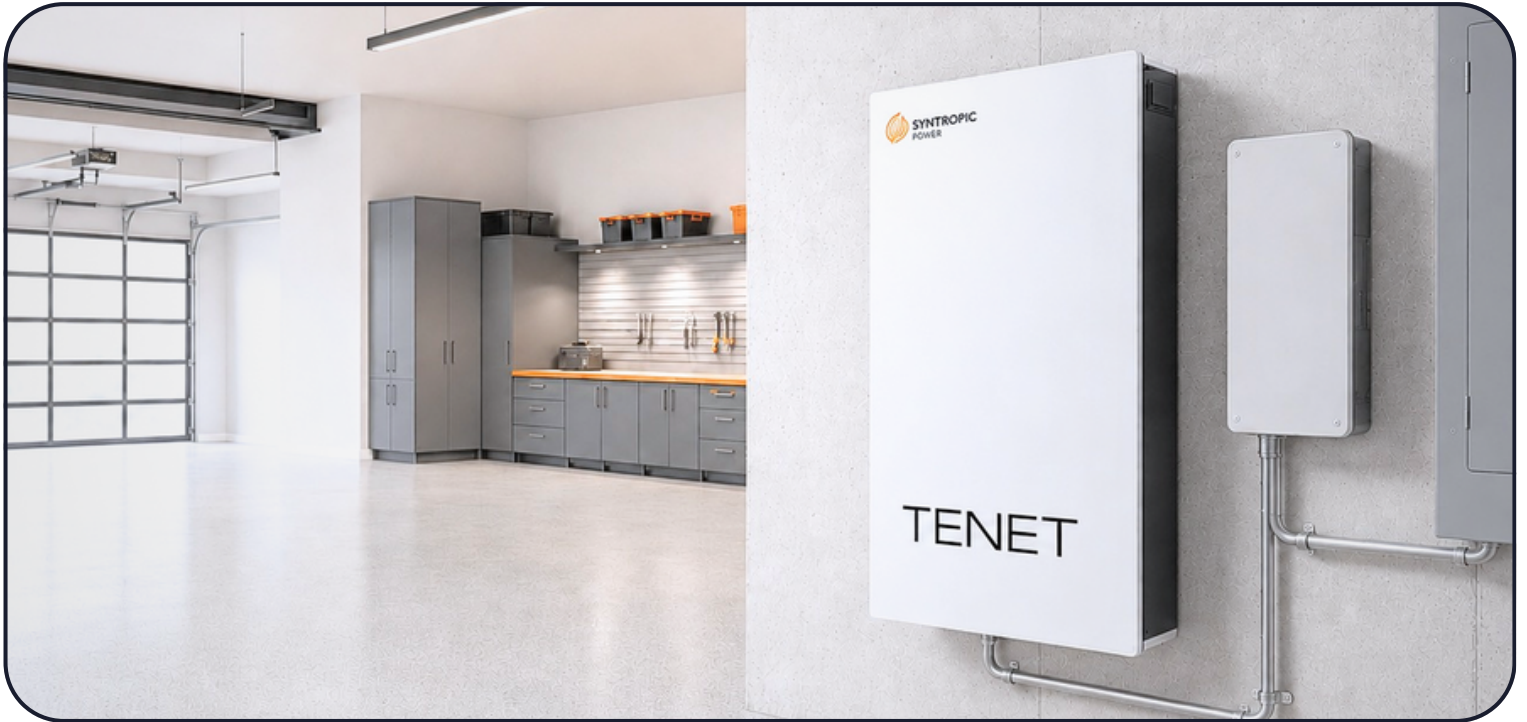




TENET™ by Syntropic Power

Residential Energy Storage



INDEPENDENTLY VERIFIED PERFORMANCE & SAFETY:

Independent testing by Rochester Institute of Technology's ISO/IEC 17025-accredited Battery Development Center (RIT) confirmed **≥97.9% round-trip efficiency** for the sodium-chromium-oxide (NaCrO_2 , or NCO) cell used in Tenet and evaluated its behavior under nail penetration and overcharge conditions. Together with Tenet's passive thermal design, the results support efficient operation, demonstrated thermal stability, and a simpler, lower-maintenance approach to residential and light-commercial energy storage.

FEATURES:

- ✓ **Sodium-Chromium-Oxide Chemistry:** NCO chemistry that is free of lithium, cobalt and nickel
- ✓ **Long Service Life:** Lifespan of $\geq 10,000$ cycles at 100% depth of discharge
- ✓ **Thermally Passive Design:** NCO cooling during charging eliminates supplemental HVAC
- ✓ **Inverter Compatibility:** Designed to integrate with most 48 V inverters

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Product Specifications

Cell Specifications

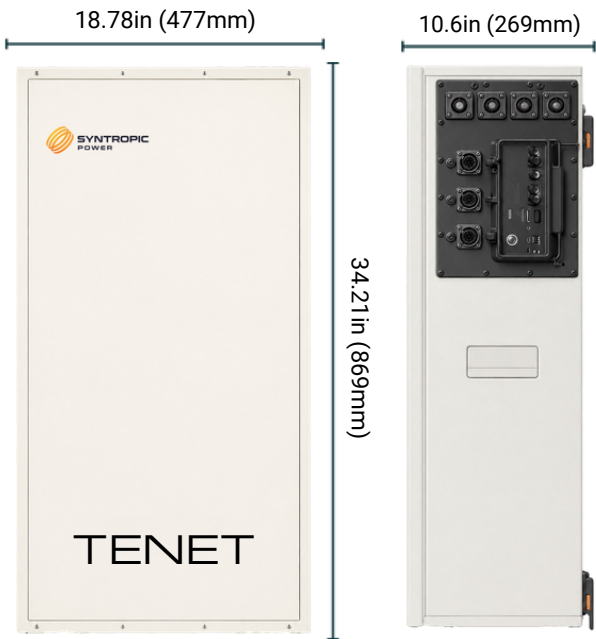
Cell	210 Ah
Cell Energy	609 Wh
Voltage Window	2.0–3.4 V
Nominal Voltage	2.9 V
Cycle Life	>10,000 cycles at 100% DoD

System Parameters

Connection Type	16S1P
System Voltage & Range	46.4 V; 32–54.4 V
Rated Energy	9.25 kWh
Charge/Discharge	50 A standard charge; 200 A discharge pulse
Operating Temperature	Charge: 0°C to 60°C; Discharge: -40°C to 60°C
Enclosure Rating	IP65*

*First-release configuration designed for protected indoor installation

Dimensions & Weight



Weight: 240 lb / ~108.9 kg

Optional wheels and back mount included.

Available Energy by Inverter Cutoff

Cutoff Voltage	32V	34V	36V	38V	40V	42V
Avail. Energy (kWh)	9.25	9.10	8.80	8.40	8.10	7.70

Certifications, Testing & Roadmap

- UL 9540A cell-level testing complete.
- System-level UL 9540A testing, UL 1973 and UL 9540 certification, CE marking, and UN 38.3 testing pending.
- U.S. manufacturing and an all-weather enclosure configuration are included in Tenet’s product roadmap.