Outlook

Emtel redefined energy storage at IESNA 2025.

From IESNA on behalf of Emtel Energy USA <isnasales@divcom.com>
Date Tue 4/1/2025 2:01 PM
To Danielle Meader <dmeader@divcom.com>

We're proud to share that **Emtel Energy USA** received the **New Product Award** at **Intersolar & Energy Storage North America (IESNA) 2025**, recognizing our electrostatic long-duration energy storage (ELDES) platform as a breakthrough in the next generation of safe, scalable, non-lithium storage.

Our solid-state, supercapacitor-based technology uses **synthetic graphene derived from recycled waste materials** to deliver unmatched performance. With a current energy density of **460Wh/kg**—and a roadmap to **800Wh/kg** this year—our systems operate at **+99% efficiency from -22°F to 140°F**, without heating or cooling.
We offer:

- **Exceptional safety** — no thermal runaway, no fire risk
- **Ultra-long lifespan** — 500,000+ cell cycles with <0.4% annual degradation
- **Maximized investment** — made to cycle 4x/day, 100% depth of discharge, <1% self-discharge per month
- **Sustainable design** — 100% recyclable, 80% biodegradable components

Energy storage is essential to meeting the demands of the next generation—but legacy solutions fall short when it comes to safety, cost, and long-term performance. At Emtel Energy USA, we're powering the future with a storage platform engineered for resilience, scalability, and sustainability—without compromise.

Our Product Suite: Safe, Scalable, and Affordable

- **EMWALL** – Residential & C&I
  Now Manufactured in Virginia, this modular wall-mounted system supports clean energy

independence for homes and commercial facilities.



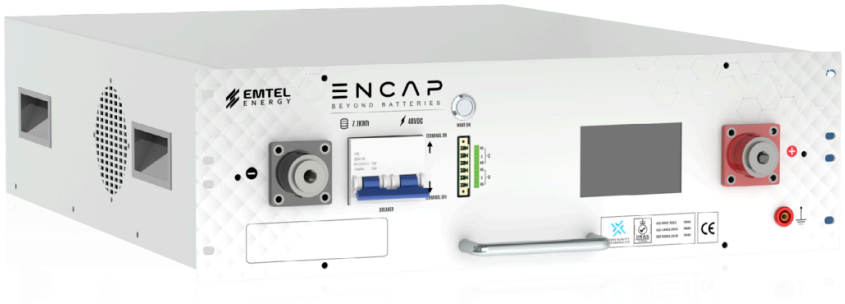
- **ENRACK** – Data Centers, Critical Infrastructure, UPS Alternative
  Drop-in replacement for VRLA and lithium batteries that saves big on space and eliminates cooling requirements.



- **ENPACK** – High-Capacity / Utility-Scale Projects
  Custom-built ESS for grid support, microgrids, and peak shaving.

  ENPACK in Turkey

- **ENSERVER** – Intelligent Energy Management System (EMS)
  Smart control platform for source prioritization, tariff optimization, and load balancing.
- **ENCAP Modules** – Telecom, Remote Power, Flexible Storage
  Compact modules ideal for remote, off-grid, or small-scale deployments.



Explore the Full Emtel Platform

Thank you to **Intersolar & Energy Storage North America** for recognizing our technology — and to our partners helping us accelerate the transition to safe, resilient, and accessible energy storage.

EMTEL ENERGYUSA

Solving the Energy Equation Without Compromise

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