Power Pack

◷ **Available Fall 2028**



The ANEW Power Pack — a modular solid-state energy storage system built from earth-abundant, rare-earth-free materials, scaling from home battery storage to grid-scale energy storage. Available in 12 colors, with an onboard communications module and its own customer portal.

The storage math Nearly 200 countries agreed at COP28 to triple renewable capacity by 2030. The IEA's arithmetic on that promise is blunt: it takes about 1,500 GW of energy storage, and 90% of that growth has to come from batteries — roughly ten times what is installed today. Generation without storage is generation you throw away after dark. Every Power Pack is one unit of that missing capacity, sized for a single roof instead of a utility balance sheet. Figures are drawn from public IEA data (Batteries and Secure Energy Transitions; SDG7 access tracking) and the COP28 renewables pledge. They describe the market, not the performance of any ANEW product. The Spec Sheet Every number, in the open. Platform & Build

Type	Solid-state energy storage (Power Pack)
Code name	“The Firefly”
Chemistry	Solid-state — no liquid electrolyte
Construction	Injection-molded solid-state cells
Capacity	Modular — residential to grid-scale
Onboard option	Configurable inside every ANEW product
Generation inputs	64 — solar · wind · water devices
Materials	Earth-abundant · zero VOCs · 85% recyclable by weight
Manufacturing	Carbon-neutral
Enclosure	304 stainless · die-cast aluminum · polycarbonate
Mounting	Wall-mounted, indoors or outdoors — brushed stainless back panel
Intellectual property	Internal proprietary manufacturing processes
Targeted service life	50 years

Environment & Electronics

Weatherproof rating	NEMA 4X · IP67 — hurricane-rated, outdoor-ready (design target)

Wildlife	Wildlife-friendly — sealed & silent, no moving parts
Contacts	Gold-plated high-voltage
Charge status	Ring indicator — state of charge at a glance
Accent lighting	Programmable theme lighting — 256 colours, music-reactive or on cue
Physical Unclonable Function identity	Hardware-anchored ID — fixes the unit to its funding asset for credit trading
Compute	Qualcomm Snapdragon IoT
Connectivity	BLE · Wi-Fi · 5G · Zigbee · LoRa
Integration	RESTful API with JSON
Monitoring	Self & environment, real-time
Software / hardware	Open-source
End of life	Designed for material recovery — 85% by weight (target)

What Stands Behind It

Chemistry	Solid-state
Materials	Earth-abundant
Emissions	Carbon-neutral manufacturing
End of life	Material recovery — 85% by weight (target)
Intellectual property	Internal proprietary manufacturing processes

Ways to Own It

Own	Buy outright — funding offsets the cost
Rent	Power without the purchase
Payback	Calculated for your site before you commit
Warranty	12 months — parts & labour
Extended	10-year parts & labour — typically 10% of system cost
Repairs	~30-minute field swap of your unit
Carbon Calories	Live CO_2-avoided counter, per unit

> **Your Project Manager, Included Every Power Pack comes with a remote project manager — a real guide who stays with your project and helps you navigate regulatory compliance as it moves forward, from permits to grid connection. Need someone standing next to you? On-site project managers are available upon request. Meet Your Project Manager → The Communications Module Every Power Pack is online, secure, and self-aware. The same connectivity platform will ship inside every ANEW product — so a battery, a turbine, and a solar connector all speak the same language. 🔒 Physical Unclonable Function Hardware IdentityEach unit is designed with two Physical Unclonable Functions — one on the measuring side and one on the communications board — that give it a hardware-anchored, clone-resistant identity. Both must authenticate before any transaction is accepted. That**

> **fixes the machine to its funding asset, so its power purchase agreement, carbon credits and tax credits trade against proof of THIS unit's generation. 📡 Always Connected4G Cellular, Wi-Fi, Bluetooth and Zigbee, with a two-vendor cellular standard so a unit stays online across networks and borders. Networking will be configured at the factory, so it arrives deploy-ready. 📊 Live TelemetryEach device will report its own generation and health in real time — proof of what it produces, not an estimate. Its Own Customer Portal Every unit gets a birth certificate. From the moment it powers on, each Power Pack will open its own portal on anewenergy.earth — a permanent identity record and live dashboard: where it was made, what it's storing and delivering, its state of health, its warranty, its carbon and credit history, and its funding. A birth certificate that keeps writing itself across a targeted 50-year life. Permanent device identity, anchored by the Physical Unclonable Function Live generation, health and environmental data Warranty, service and end-of-life recovery tracking Carbon credits, PPA and tax-credit history in one place See a Sample Portal → On the Portal**

Identity	**Physical Unclonable Function-anchored device ID**
Generation	**Live kWh & performance**
Health	**Self- & environment-monitoring**
Funding	**Carbon · PPA · tax credits**
Lifecycle	**Warranty → recovery**

Read this. ANEW Energy products are in the concept and development stage. Figures marked as targets are design targets, not measured or certified results, and may change. Pictures are renderings. Specifications are copied from the product page at the time of download (2026-11-09) and are not a warranty, quote or offer to sell. Always check the current page: anewenergy.co/power-pack
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