EV Charging

◷ **Available Fall 2028**

ANEW EV Charging — renewable-powered EV fast charging and a grid buy/sell station in one. Level 2 charging, with an upgrade path to Level 3 (DC fast charging), two configurable plugs on retractable cords, up to 500 kWh of onboard solid-state storage (1 MWh paired), NEMA 4X and submersion-rated, available in 12 colors. Private label available.



Transformer & Charging

Type	EV fast-charge + grid buy/sell point (Power Pole)
Code name	“Rhino Power”
Platform	E2X — Energy to Everything
Charging	Level 2 charging, with an upgrade path to Level 3 (DC fast charging)
Plugs	Two — each configurable to your EV connector
Cords	Retractable
Isolated Transformer	Dual-wound, on-top dish — the E2X transfer point
Grid sync	Islanded micro-grid and/or public grid — any frequency, voltage or phase
Power flow	Grid → charge · battery → vehicle · battery/vehicle → grid (sell)
Onboard logic	Optimises around your travel plans
Display	Pulses white → yellow → orange → green, synced to the dish
Accent lighting	Programmable theme lighting — 256 colours, music-reactive or on cue

Storage, Build & Environment

Onboard storage	Up to 500 kWh — 1 MWh with poles paired
Chemistry	Solid-state — no liquid electrolyte
Construction	Injection-molded solid-state cells
Materials	Earth-abundant · zero VOCs · 85% recyclable by weight
Manufacturing	Carbon-neutral
Weatherproof rating	NEMA 4X — outdoor-ready
Submersion	Designed to withstand submersion
Connectors & cords	Sealed — always black
Intellectual property	Internal proprietary manufacturing processes

Targeted service life	50 years
Warranty	12 months standard · 10-year extended available
Onboard comms	Physical Unclonable Function identity · live telemetry · own customer portal

Two Ways, One Pole

Charge	Level 2 charging, with an upgrade path to Level 3 (DC fast charging)
Sell	Push stored power back to the grid
Plugs	Two, retractable — configurable per EV
Storage	500 kWh onboard · 1 MWh paired
Sync	Any frequency · voltage · phase
Warranty	12 mo · 10-year extended

On the Portal

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

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