NEOVOLTA™

NASDAQ: NEOV

BUILT FOR WHAT'S *AHEAD.*

U.S. MANUFACTURED ENERGY STORAGE
FOR HOMES, BUSINESSES AND THE GRID

September 2026 Investor Presentation



SAFE HARBOR STATEMENT

All statements contained herein other than statements of historical fact, including statements regarding our future results of operations and financial position, our business strategy and plans, and our objectives for future operations, are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, Section 21E of the Securities Exchange Act of 1934, and the Private Securities Litigation Reform Act of 1995, which involve risks and uncertainties. The words "believe," "may," "will," "estimate," "continue," "anticipate," "intend," "expect," and similar expressions are intended to identify forward looking statements. We have based these forward-looking statements largely on our current expectations and projections about future events and trends that we believe may affect our financial condition, results of operations, business strategy, short-term and long-term business operations and objectives, and financial needs. These forward-looking statements are subject to a number of risks, uncertainties and assumptions. Moreover, we operate in a very competitive and rapidly changing environment. New risks emerge from time to time. It is not possible for our management to predict all risks, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements we may make. In light of these risks, uncertainties and assumptions, the future events and trends discussed herein may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements.

Although the Company believes that the expectations reflected in such forward-looking statements are reasonable as of the date made, expectations may prove to have been materially different from the results expressed or implied by such forward-looking statements. The Company undertakes no obligation to update any forward-looking statements contained in this release to reflect events or circumstances occurring after its date or to reflect the occurrence of unanticipated events.

WHY NEOVOLTA? WHY NOW?

Domestic Manufacturing Advantage
Experienced U.S. BESS platform positioned for FEOC-sensitive procurement and key domestic manufacturing incentives

Pendergrass Production Facility Set to Ramp
210,600 sq. ft. facility targeting up to 8 GWh in 2028

Recent SK On Collaboration Anchors Scale
Secured LFP cell supply and pack-manufacturing opportunity catalyzes capacity growth

Early Demand Visibility Alongside Key Strategic Partnerships
$200M Utility-Scale LOI



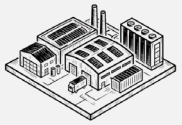
A VERTICALLY INTEGRATED ENERGY STORAGE PLATFORM



Residential

Home energy storage for resilience, independence and intelligent energy management

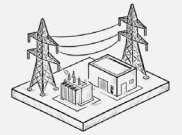
Established products, installer network and recurring customer channel



Commercial & Industrial

Scalable solutions for business continuity, cost optimization, and operational reliability

Higher-value systems supported by channel, EPC and financing partners



Utility & Grid

Large-scale energy storage supporting grid reliability, load growth and critical infrastructure

Domestic manufacturing platform for C&I and utility-scale BESS deployment

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$232M Market Cap
as of 8/31/2026

8 GWh

Annual BESS Capacity
Targeting up to 8 GWH in 2028

80%

NeoVolta Power, LLC Ownership
Consolidated BESS Manufacturing Subsidiary

CLEANTECH BREAKTHROUGH AWARDS

2026 Energy Storage Company of the Year



WHAT WE DO

ONE COMPANY. THREE MARKETS. DOMESTICALLY MANUFACTURED.



CORPORATE HEADQUARTERS
Poway, CA

U.S. MANUFACTURING PLATFORM
Pendergrass, GA
NeoVolta Power, LLC

1



RESIDENTIAL

- LFP all-in-one systems
- National Installer channel
- NVWAVE modular platform: <30-min installation

2



COMMERCIAL & INDUSTRIAL

- Stackable 150 kW / 313 kWh modular systems
- **Luminia partnership** for EPC + financing
- Designed for business continuity & energy-cost optimization

3



UTILITY & GRID

- Containerized BESS up to 5 MWh
- Pendergrass, Georgia manufacturing platform
- U.S.-manufactured LFP supply chain

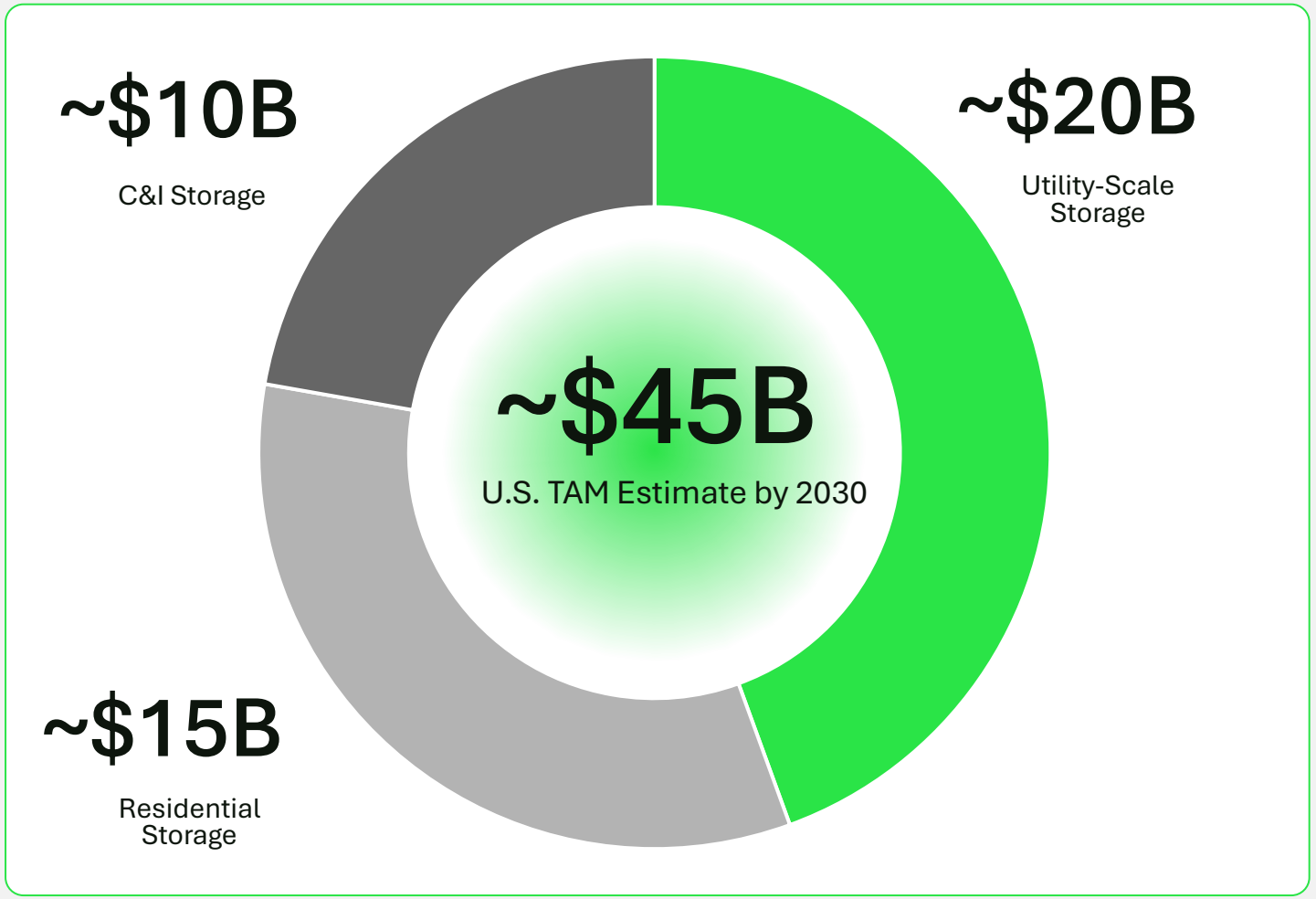
Platform designed to meet applicable domestic-content and FEOC requirements

NEOVOLTA™

A $45 BILLION U.S. MARKET BY 2030



- BESS has shifted from supplemental technology to core infrastructure
- Grid operators facing record peak demand, electrification, and capacity retirement
- Regulatory tailwinds (IRA, FEOC rules) creating a procurement reshuffling: domestic wins
- NEOVOLTA is positioned at the intersection of all three growth vectors



Source: Company estimates and third-party market research; TAM estimates for 2030

THE PENDERGRASS PLANT

A U.S. BESS MANUFACTURING PLANT BUILT TO SCALE



210,600 sq. ft. purpose-built BESS facility

- Initial production-line **commissioning underway**
- Designed for **C&I and utility-scale** BESS assembly
- **NeoVolta Power, LLC**: 80% owned manufacturing subsidiary



STRATEGIC LOCATION

- I-85 logistics corridor
- Access to Port of Savannah
- Georgia battery-manufacturing ecosystem
- Skilled workforce and state economic-development support

SCALE & VALIDATION

9 GWh LFP cell supply deal with SK On supports scale-up
Pack-manufacturing framework adds SK On as key customer

Up to 8 GWh annual BESS capacity target in 2028

Domestic BESS Platform Positioned for FEOC-Sensitive Procurement

CONTROLLED U.S. BESS PLATFORM, ENABLED BY STRATEGIC PARTNERS

*NeoVolta holds an 80% controlling interest in **NeoVolta Power, LLC**, which operates the Pendergrass, Georgia BESS manufacturing platform and is supported by LONGi's energy ecosystem and PotisEdge's production-line technology*

NEOVOLTA™ — LONGi

80% CONTROLLING INTEREST | **20% MINORITY INTEREST**

SCALE, CREDIBILITY & MARKET ECOSYSTEM

LONGi

- Global solar and clean-energy manufacturing leader
- U.S. manufacturing ecosystem through Illuminate USA
- Deep relationships across utility-scale solar and energy-storage markets
- Strategic credibility and commercial connectivity as NeoVolta Power scales

BESS PRODUCTION-LINE CAPABILITY

Potis Edge

- BESS integrator and OEM with Global BESS deployment experience
- Provides GA production-line equipment and BESS manufacturing know-how
- ~9 GWh installed globally
- BNEF Tier 1 designation for seven consecutive quarters

A LONGi company since November 2025

SK ON: U.S. CELL SUPPLY + BESS PACK OFFTAKE

Five-year collaboration between NeoVolta Power and SK On pairs U.S.-manufactured LFP cells with domestic pack production at Pendergrass, securing cell supply and attaching pack demand to Line 2.

9 GWh
Signed U.S. LFP cell supply
2027 – 2031

+9 GWh
Additional cells + pack offtake framework
Order docs pending

18 GWh
Combined collaboration through 2031
Cells + packs

8 GWh
Pendergrass annual capacity target
Two-line platform, 2028

HOW THE COLLABORATION WORKS

SK On → NeoVolta Power

Primary supplier of U.S.-manufactured LFP pouch cells from SK On's Georgia plant. Georgia plant. Signed 9 GWh supports NeoVolta Power's Line 2 production from production from 2027 through 2031.

NeoVolta Power → SK On

Framework for an additional 9 GWh of cells that NeoVolta Power incorporates into energy storage packs designed, manufactured, and sold back to SK On.

STRATEGIC BENEFITS

Locks in scarce U.S. cells

Commits 9 GWh of domestic LFP pouch supply for Line 2 at a time U.S.-made cells are effectively unavailable.

Supplier and customer

SK On is both the cell source and a pack pack offtake partner - > Line 2 enters enters service with demand already attached.

Accelerates Line 2

Brings forward the second line without without consuming Line 1 prismatic capacity reserved for the existing third-third-party funnel.

Strengthens IRA / 48E

Pairs U.S. cells with U.S. pack manufacturing to support domestic-domestic-content eligibility for utility, utility, C&I, and data-center customers. customers.

NEOVOLTA™ SK on

PLANT CAPACITY SCENARIOS

PENDERGRASS ILLUSTRATIVE SCALE-UP PATH: 2 GWh TO 8 GWh

LINE 1: SINGLE SHIFT	2 GWh	~$338M	ILLUSTRATIVE REVENUE
LINE 1: TWO SHIFTS	4 GWh	~$676M	ILLUSTRATIVE REVENUE
LINE 1: TWO SHIFTS LINE 2: SINGLE SHIFT	6 GWh	~$1,015M	ILLUSTRATIVE REVENUE
FULL BUILD-OUT (2 LINES X 2 SHIFTS)	8 GWh	~$1,353M	ILLUSTRATIVE REVENUE



Illustrative Needham scenario assumptions

95% Utilization | $178/kWh blended ASP
~95% utility-scale / ~5% C&I mix

NEOVOLTA™

Source: Needham Research initiation report dated June 17, 2026. Illustrative scenarios only, not NeoVolta guidance. Needham's estimates exclude Section 45X production credits.

POSITIONED FOR THE GROWING U.S. UTILITY-SCALE BESS MARKET

UTILITY SCALE DRIVES PENDERGRASS DEMAND

Core market for NEOV U.S. BESS production capacity

DOMESTIC, FEOC-COMPLIANT BESS

Positioned for IRA-driven procurement

~1.1 GWh IN EARLY DEMAND

Non-binding LOI with Infinite Grid Capital

LONGi ECOSYSTEM ADVANTAGE

Potential utility-scale opportunities

~$20B

U.S. Utility-Scale Storage TAM by 2030

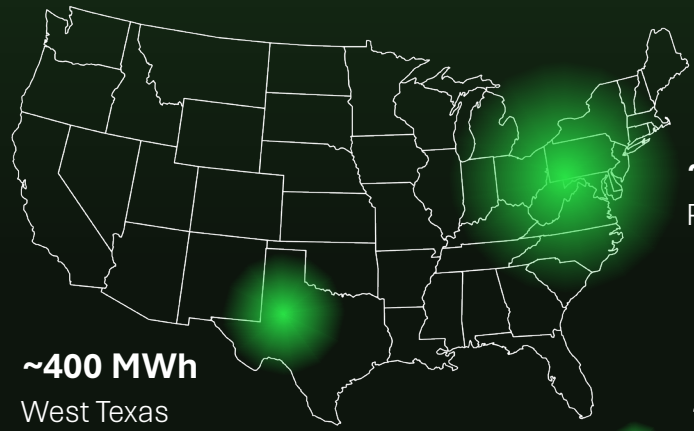


PENDERGRASS UTILITY-SCALE BESS

Up to 5 MWh DC Container Systems



INFINITE GRID CAPITAL PROJECT SCOPE



~300 MWh
PJM Markets

~400 MWh
West Texas

~400 MWh
Puerto Rico

SOLVING THE C&I STORAGE GAP

UNDERSERVED MIDDLE
Too large for resi installers
Too small for utility-scale EPCs

TURNKEY GO-TO-MARKET
Luminia partnership provides EPS and financing support

EARLY COMMERCIAL TRACTION
$1.9M order for 40 NVGAIN units

~$10B U.S. C&I Storage TAM by 2030

C&I PRODUCT

Stackable 125 kW / 233 kWh all-in-one system



Luminia

Framework Agreement

Up to ~160 MWh contracted demand
→ ~$39M potential equipment revenue

Additional Pipeline

~640 MWh active pipeline



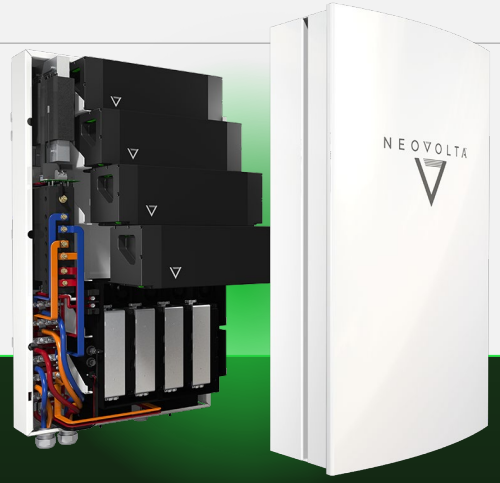
THE FOUNDATION: PRODUCTS, BRAND AND CHANNEL

ESTABLISHED RESIDENTIAL BASE
NeoVolta's original market and current operating foundation

NVWAVE MODULAR PLATFORM
<30-minute installation and scalable storage

FINANCING OPTIONALITY
Third-party ownership model with Luminia in development

NATIONAL EXPANSION
Growing installer and distributor coverage beyond California



NVWAVE
- Modular, stackable 10–15 kWh modules, expandable to 60 kWh
- <30 min installation
- Dual-sourced supply chain
- Commercial launch underway

~$15B
Residential Storage TAM by 2030

ESTABLISHED RESIDENTIAL PLATFORM
- Established LFP energy-storage products
- Installer and distributor-led go-to-market
- National expansion across California, Texas and Puerto Rico



NVPLUS 10.2



NVPLUS 16



NV7600



NV16KAC

MILESTONES & UPCOMING CATALYSTS

COMPOUNDING MOMENTUM INTO THE RAMP

Leadership, platform, and U.S. cell supply are in place. Near-term catalysts convert that setup into production, binding orders, and Line 2.

2024 – 2025

APR 2024
Ardes Johnson named CEO
Former Tesla Energy executive. Leadership reset to take NeoVolta from residential into grid-scale manufacturing.

2025
Residential + NVWAVE
Core home-storage volumes grow while the NVWAVE modular platform is developed.

2025
Luminia C&I launched
Opens the missing-middle commercial channel with EPC and financing attached.

2024 – 2025
Setup before the plant
Leadership, installer channel, and C&I route-to-market were in place before Pendergrass came online.

1H 2026

JAN 2026
NeoVolta Power launched
Pendergrass JV stands up domestic utility and C&I BESS manufacturing.

MAR 2026
First C&I purchase order
Initial PO under the Luminia framework; the C&I channel is live.

APR 2026
JV ownership to 80%
Restructure plus expanded commercial agreements with LONGi / PotisEdge.

MAY 2026
CFO + $200M utility LOI
Jing Nealis, experienced Clean Tech executive, appointed. Infinite Grid LOI for ~1.1 GWh / ~$200M illustrative supply.

JUN – AUG 2026

JUN 2026
FEOC compliance confirmed
Domestic-content path cleared for 48E-eligible BESS sold from Pendergrass.

AUG 2026
SK On collaboration
Five-year deal: 9 GWh signed U.S. LFP cells plus a 9 GWh pack-offtake framework -> 18 GWh total collaboration.

AUG 2026
Plant commissioning
Pendergrass equipment installed, UL certified, and advancing through commissioning into production.

AUG 2026
TPO Financing Model Launch
Third-party ownership offering designed to reduce upfront homeowner cost and support recurring revenue potential.

2H26 – 2027 · AHEAD

2H 2026
Production ramp + NVWAVE
First JV revenue from Line 1. NVWAVE commercial launch into the installer channel.

2H 2026
Pipeline-to-Backlog Conversion
Advance C&I and utility-scale opportunities toward definitive customer agreements and production schedules.

1H 2027
C&I Platform Launch
Launch Pendergrass-built C&I energy-storage systems, supported by Luminia's EPC and financing capabilities.

2027 – 2028
Line 2 to 8 GWh
Pouch line designed around SK On cells. Two-line platform targeting 8 GWh annual capacity in 2028.

RE-RATING CATALYSTS ARE IN PLACE

DOMESTIC MANUFACTURING ADVANTAGE

Experienced U.S. BESS platform backed by proven manufacturing expertise and positioned for FEOC-sensitive procurement

STRATEGIC PARTNERS

LONGi, PotisEdge, Luminia, Infinite Grid Capital and SK On provide manufacturing expertise, supply-chain depth, channel access and early demand visibility

PENDERGRASS FACILITY RAMP ON TRACK

Commissioning and production-ramp activities underway

GROWING INVESTOR AWARENESS

Five equity research analysts now covering NEOV

COMMERCIAL ACTIVITY ACCELERATING

Early C&I and utility-scale demand opportunities

Garage wall to grid scale - the ramp begins NOW.

EXPERIENCED LEADERSHIP FOR THIS PHASE OF EXECUTION



Ardes Johnson
CEO & Director

Former Tesla Energy executive who helped launch the Powerwall and Powerpack partner-channel programs; former President of Meyer Burger Technology; prior leadership roles at GE Energy, SolarWorld and BAE Systems; U.S. Navy nuclear officer



Jing Nealis
CFO (effective May 2026)

Former CFO of SES AI; 20+ years across energy transition, manufacturing and technology; experience raising capital and scaling operations



Amany Ibrahim
COO

Former Neubau Energy principal; brings product-development and manufacturing experience to the NVWAVE platform



Steve Bond
EVP & President, NeoVolta Power LLC

NeoVolta co-founder and former CFO; led the Company through its IPO and NeoVolta Power launch; now leading the Pendergrass ramp

NEOVOLTA

BUILT FOR WHAT'S *AHEAD.*

INVESTOR RELATIONS
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