BASUMATARY
POWER TECH PRIVATE LIMITED

PUBLIC INVESTOR SUMMARY

Voltage Adder Cell Technology for EV Powertrains

A concise, public-safe brief for investors, pilot partners, and technical collaborators evaluating Basumatary Power Tech's VAC platform.

Actual 3.2 kW prototype hardware

WHY THIS MATTERS

The Investor Question

Is this founder, technology, and opportunity serious enough for a call? Basumatary Power Tech's answer is built around technical clarity, protected IP, prototype evidence, and a focused EV power-electronics roadmap.

3.2 kW
Prototype hardware ready

5 kW
Platform under development

IP
Indian patent under examination; PCT filed

DIPP229944
DPIIT recognized startup ID

Problem

At demanding operating points, EV powertrains can lose voltage headroom as Back-EMF rises, limiting current delivery and torque availability.

VAC Solution

Voltage Adder Cell technology is designed to extend usable DC-link voltage headroom between battery, inverter, and motor under high-demand conditions.

Commercial Direction

Public communication is focused on investor confidence, screened technical diligence, pilot readiness, and strategic EV power-electronics conversations.

IITG TIC incubated | Patent + PCT filed | >98% simulation efficiency | Archon deployment planned

ROADMAP AND DILIGENCE

What a Serious First Call Should Cover

This brief is not a replacement for screened diligence. It is a public-facing summary meant to help investors and partners decide whether to request the deck, review the data room, or schedule a technical conversation.

Technical Credibility

- 3.2 kW prototype hardware ready, supported by actual hardware proof.
- 5 kW platform under development as the next scaling step.
- Gerbers, BOM, firmware architecture, and deeper validation material reserved for screened review.

IP and Institutional Signals

- Indian patent under examination; PCT application filed.
- DPIIT recognized startup with Startup ID DIPP229944.
- Incubation signal through IIT Guwahati Technology Incubation Centre.

Pilot and Partnership Direction

- Initial deployment planned with Archon Motors as a pilot-readiness pathway.
- Best-fit conversations: EV OEMs, 2W/3W drivetrain platforms, strategic power-electronics partners, and hardware manufacturing collaborators.
- Commercial sample development and validation conversations should be framed around screened technical review.

Recommended Next Step

- Investors: request the investor deck first, then screened data room access if fit is clear.
- Technical collaborators: book a focused discussion around VAC behavior, voltage headroom, and drivetrain constraints.
- Pilot partners: discuss platform constraints, validation expectations, and commercial sample readiness.

REQUEST SCREENED MATERIALS

basumatarypowertech@gmail.com

+91 8135962327

basumatarypowertech.com