November 23, 2026

To,
Listing Department
National Stock Exchange of India Limited
Exchange Plaza, Plot No. C-1, G Block
Bandra- Kurla Complex,
Bandra (E), Mumbai – 400051

SYMBOL: SMARTEN
ISIN: INE14GK01016

Dear Sir / Madam,

Subject: Press Release on Smarten Power Systems Brings Advanced HERIC Technology to Its Indigenous 3kW On-Grid Solar Inverter

Pursuant to Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, please find enclosed herewith Press Release on Smarten Power Systems Brings Advanced HERIC Technology to its Indigenous 3kW On-Grid Solar Inverter.

This information will also be hosted on Company's website, at www.smartenpowersystems.in .

You are requested to kindly this on record.

Thanking you,

Yours Faithfully

For Smarten Power Systems Limited
(formerly known as Smarten Power Systems Private Limited)

Arun Bhardwaj
Digitally signed by Arun Bhardwaj
Date: 2026.11.23 11:27:02 +05'30'

Arun Bhardwaj
Managing Director

Encl: a/a

Smarten Power Systems Brings Advanced HERIC Technology to Its Indigenous 3kW On-Grid Solar Inverter

- *Product developed and productionised through the company's in-house R&D capabilities, with first pilot production batch in preparation*
- *Features advanced HERIC topology, 150V–450V MPPT range and integrated Wi-Fi connectivity for intelligent solar monitoring*
- *Product engineering led by Sanjay Agrawal, Vice President – R&D, bringing over 30 years of power electronics and engineering experience*

Haryana, 23rd November 2026: Smarten Power Systems, an NSE-listed Indian power backup and solar energy solutions company serving residential and commercial users, has developed and productionised an **indigenously engineered 3kW PV On-Grid Solar Inverter** through its **in-house research and development capabilities**. The development marks an important step in the company's efforts to **strengthen domestic power electronics capabilities, build locally engineered solar technology and reduce dependence on imported inverter solutions**.

The development highlights the engineering expertise and innovation capabilities of Smarten's R&D department, which has taken the product through its complete development cycle, encompassing power conversion architecture, product design, engineering refinement, testing and validation. Moving beyond conventional product assembly and integration, the company has leveraged its internal technical capabilities to develop the inverter's underlying technology and bring it to the productionised stage. The company is now preparing its first pilot production batch.

The **Smarten 3kW PV On-Grid Solar Inverter** has been engineered around **advanced Highly Efficient and Reliable Inverter Concept (HERIC) topology**, designed to minimise switching losses and leakage currents while improving conversion efficiency. It features a **wide Maximum Power Point Tracking (MPPT) voltage range of 150V–450V**, enabling the system to extract solar energy across varying sunlight conditions, including earlier morning start-ups and extended evening generation. The inverter also incorporates **built-in Wi-Fi connectivity and smart monitoring capabilities** for real-time system tracking and diagnostics. Its **compact, rugged enclosure** has been designed with reliability, reduced electromagnetic interference (EMI) and ease of installation in mind.

Commenting on the development, **Rajnish Sharma, Whole Time Director & Chief Executive Officer, Smarten Power Systems**, said, *"We are extremely proud to have developed and productionised a grid-tied inverter through our in-house R&D capabilities. From power conversion architecture and product design to testing and validation, this has been the result*

of focused engineering efforts by our team. We see this achievement as an important step towards building greater technological ownership, strengthening India's domestic power electronics capabilities and reducing dependence on imported inverter technology."

The product development has been led by **Sanjay Agrawal, Vice President – R&D, Smarten Power Systems**, whose **more than 30 years of experience** spans power electronics, solar energy systems, product engineering and technology development. Prior to joining Smarten, he held key engineering and R&D positions at Schneider Electric, SunEdison, General Electric, Motorola, Fiem Industries and IIT Bombay.

An alumnus of IIT (BHU), Varanasi, he holds an M.Tech in Power Electronics and a US patent for innovative power supply technology. He is also certified in Six Sigma and Design for Reliability, with expertise spanning EMI/EMC compliance, power converters and high-reliability product engineering.

Sharing his perspective on the product engineering effort, **Sanjay Agrawal, Vice President – R&D, Smarten Power Systems**, said, *"When we started developing the 3kW grid-tied inverter, the challenge was to translate the design into a product that could deliver on efficiency, grid compatibility and reliability under actual operating conditions. This called for sustained work across the entire development cycle, from getting the power conversion architecture right and refining the design to putting it through comprehensive testing and validation. It has been an involved process, with our team working through each aspect to ensure the product was ready to move into production. Having led this development, it is particularly satisfying to see the inverter reach this stage, knowing that the technology and engineering behind it have been developed within Smarten. This is the kind of in-house capability we want to continue building."*

The development aligns with Smarten Power Systems' focus on expanding its indigenous design, R&D and manufacturing capabilities as India's renewable energy adoption gathers momentum. The upcoming pilot production batch will take this in-house engineered technology a step closer to manufacturing, while strengthening the company's ability to develop locally engineered solar solutions.

About Smarten Power Systems:

Smarten Power Systems is an Indian company that designs, assembles and supplies power backup and solar energy solutions for residential and commercial use. Its product portfolio includes home UPS systems, solar inverters, solar power conditioning units and solar charge controllers. The company also manufactures solar panels and batteries in-house, while trading a portion of these products following its acquisition of the Baddi plant, enabling it to offer a broader range of integrated energy solutions. With a distribution led model, the company serves customers across India through a wide network and also exports its solutions except solar panels to international markets. It currently operates across 23 states

and 3 union territories in India and has expanded its presence to more than 17 countries across the Middle East, Africa and South Asia. The company focuses on advancing renewable energy adoption through continuous investment in design, research and development and manufacturing capabilities with the belief that fusion is the future and solar energy is central to a sustainable tomorrow.
To know more, visit: https://smartenpowersystems.in/

Image: Smarten 3kW PV On-Grid Solar Inverter

