

First Commercialized Compact Mechanical Pellet Stove for Camping and RVs

Magenic introduces a compact pellet heater designed for camping, RVs and off-grid use, featuring an integrated system that generates electricity from heat.

CHEONGJU, CHUNGCHEONGBUK-DO, SOUTH KOREA, September 1, 2026 /EINPresswire.com/ --

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We wanted to make pellet heating truly portable. Our goal was not simply to make a smaller heater, but to create a new design built for camping, RVs and off-grid use.”

CEO of Magenic LLC

For years, pellet heating has been known for delivering strong, efficient heat. But traditional pellet heating systems have generally been designed as large, heavy units intended to remain in one place.

Magenic is taking a different approach.

The company has developed a [compact pellet heater](#) designed around one central goal: true portability.

Rather than simply reducing the size of an existing pellet stove, Magenic focused on redesigning the system for environments where portability and access to electricity matter. The result is a small pellet heater designed for camping, RVs, campers and off-grid environments.

One of the key challenges was power.

Conventional powered pellet heating systems typically rely on an external electrical source to operate components such as fans and fuel-feed systems. For camping and off-grid applications, dependence on external power can limit where a heater can be used.

Magenic developed a different approach by incorporating a heat-to-electricity generation system into the heater. As the heater produces heat, part of that thermal energy is converted into electrical power to support the system's operation.

The development focused on minimizing the heater's power requirements while maintaining consistent heat output. This approach allows the system to be designed for environments where access to conventional electricity may be limited or unavailable.

The compact design is intended to make pellet heating more practical for mobile applications. The heater can be used in camping environments, RVs and other off-grid settings where portability, heating performance and reduced dependence on external power are important considerations.

Magenic's development process has focused on simplifying the system while integrating heating, airflow, fuel delivery and power generation into a compact form factor.

The company is preparing the product for a [Kickstarter](#) launch scheduled for [September 22](#), 2026. Magenic plans to introduce the product to consumers interested in camping, RV travel, outdoor recreation and off-grid living.

The development represents Magenic's broader effort to bring compact, self-generating heating technology to applications where conventional pellet heating systems are difficult to use because of their size, weight or dependence on external electricity.

About Magenic

Magenic LLC is a technology and manufacturing company developing compact heating solutions for mobile and off-grid applications. The company focuses on product development, engineering and manufacturing, with R&D and manufacturing operations in Cheongju, South Korea.

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Magenic's compact self-generating pellet heater is designed for camping, RVs and off-grid use.

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