

# White Paper: New Alternatives in Power Conversion for Electric Heaters

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All appliances have some form of power conversion. Generally speaking, electric heaters have been behind the curve when it comes to power conversion technology. Traditionally they are controlled by pulsing the power received, using what amounts to a rapid on/off switch. While this allows a heater to operate at a given set temperature, it is receiving the full voltage when turned on, which can cause damage over time in some cases. Watlow's innovative power conversion technology can smoothly adjust power up or down, as needed, which opens up possibilities for better heating and sensing in any array of specialized applications.

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