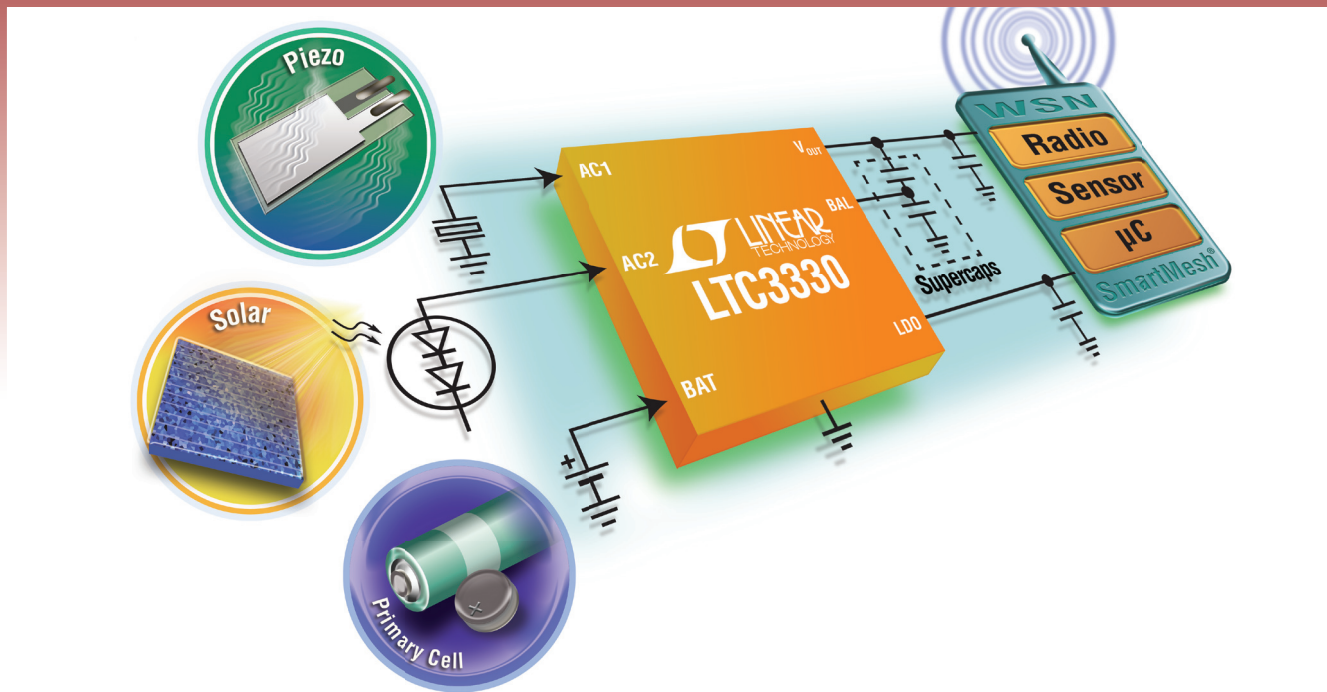


# Extend Battery Life With Harvested Energy



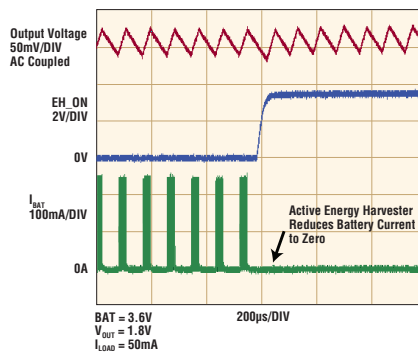
## Single Nanopower IC Manages Multiple Input Sources

Our LTC<sup>®</sup>3330, a nanopower buck-boost converter and battery life extender, is a game changer IC for energy harvesting applications. This device enables a smaller primary battery and/or much longer battery life by prioritizing ambient energy as the primary power source and only switches to battery power when these sources are not present. Primary battery life is further optimized since the LTC3330 consumes zero current when an energy harvesting source is present. Compatible transducers include piezoelectric, solar or magnetic sources. For applications needing peak power periodically, an integrated supercapacitor balancer is included on-chip.

### ▼ Features

- Dual Input, Single Output DC/DCs with Input Prioritizer:
  - Energy Harvesting Input: 3V to 19V Buck DC/DC
  - Primary Cell Input: 1.8V to 5.5V Buck-Boost DC/DC
- Zero Battery  $I_Q$  when Energy Harvesting Source Is Present
- Ultralow Quiescent Current Input: 750nA at No Load
- Low Noise LDO Post Regulator
- Integrated Supercapacitor Balancer

### Extending Battery Life with Energy Harvesting



### ▼ Info & Free Samples

[www.linear.com/product/LTC3330](http://www.linear.com/product/LTC3330)

1-800-4-LINEAR

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