



Single-Phase Metering

SINGLE-PHASE-METER

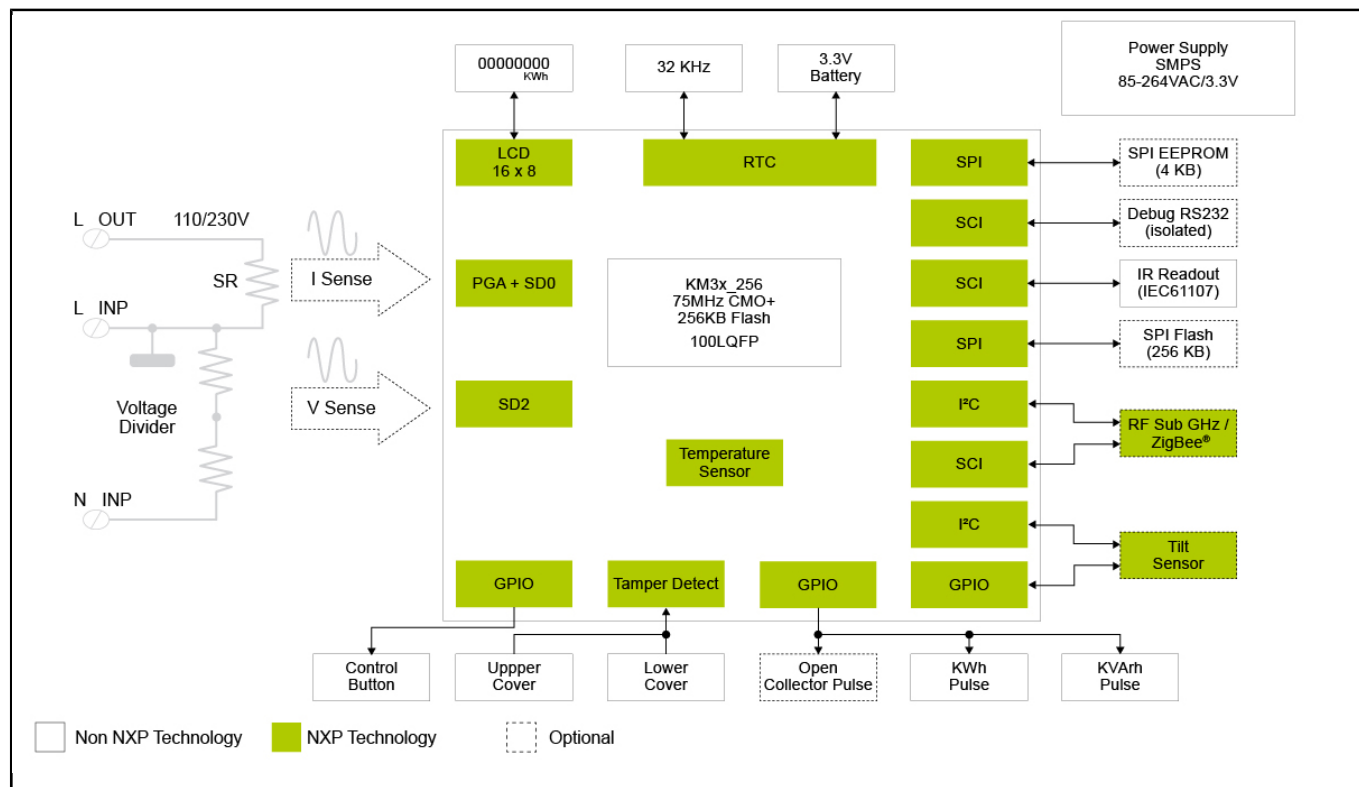
Last Updated: Feb 27, 2025

With the growing consumption of energy worldwide, particularly in the residential market, utility providers need increasingly accurate, and cost-effective energy metering solutions. The KM3x_256 series single-phase electricity meter reference design addresses these accuracy and cost needs by providing a high-performance analog front end combined with an embedded programmable gain amplifier.

[Kinetis® M Series MCUs - Fact Sheet](#)

[Kinetis KM3x MCU Single-Phase Metering Reference Design - Fact Sheet](#)

Single Phase Meter Block Diagram



View additional information for [Single-Phase Metering](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2025 NXP B.V.