



S32K358 Battery Management Unit (BMU) for High-Voltage Battery Energy Storage

RD-BESSK358BMU

Active

Last Updated: Dec 10, 2024

Available to selected customers only (non-disclosure agreement (NDA) required), please [contact support](#) or your local sales representative for more information.

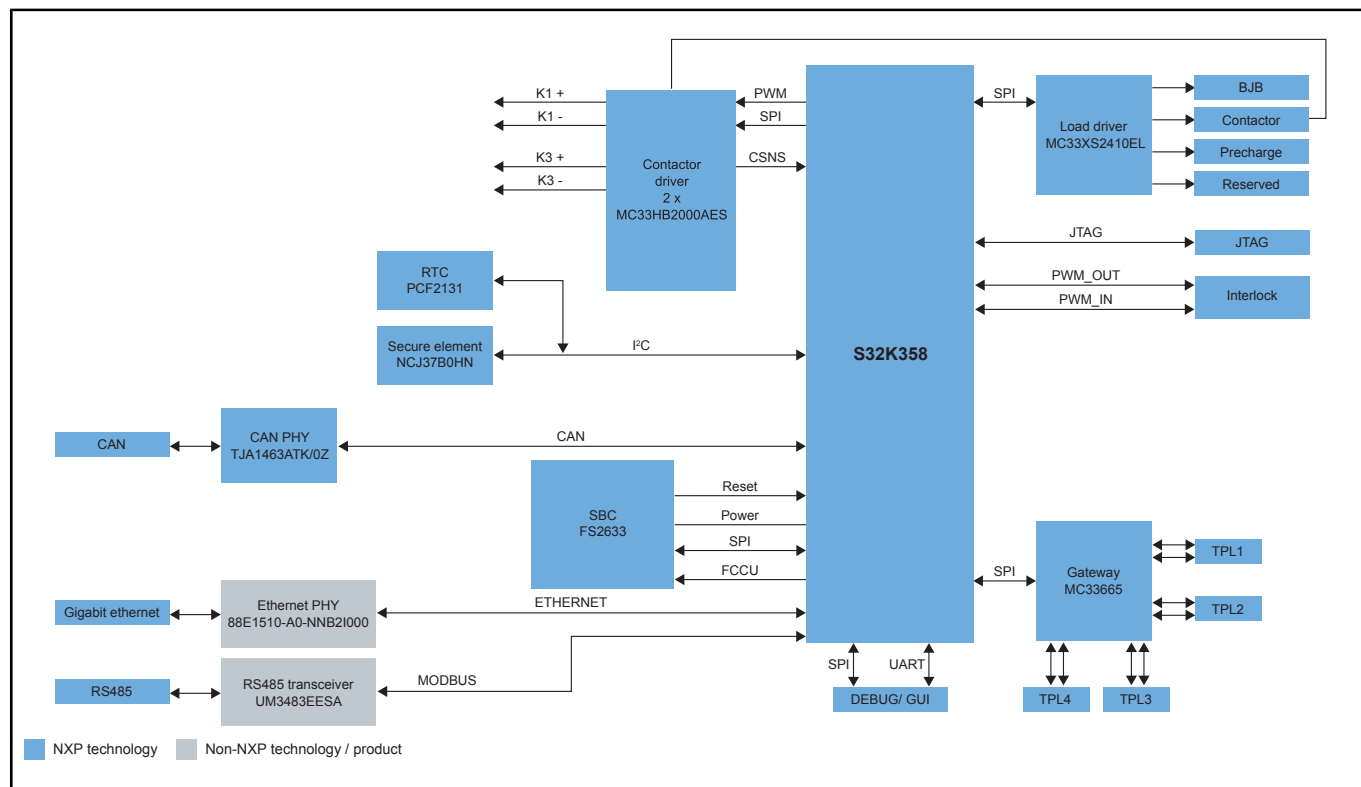
The BMU - RD-BESSK358BMU is a battery management unit (BMU) as part of the 1500VBESS reference design or a stand-alone board for development of custom designs. It is ideal for rapid prototyping of a high-voltage battery management system (HVBMS) hardware and software.

This board provides multiple interfaces (Ethernet, CAN FD, RS485) to communicate with an energy management system in containerized or modular storage in domestic or commercial and industrial use.

For isolated serial communication with battery modules, the board is equipped with a battery management communication gateway and transceiver electrical transport protocol link (ETPL).

This board contains all the control and interfaces for interlock monitoring, contactor control and cyber security.

S32K358 BMU Block Diagram



View additional information for [S32K358 Battery Management Unit \(BMU\) for High-Voltage Battery Energy Storage](#).

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.