

## Gate Driver News

### *Gate Driver News Stories From The How2Power Today Newsletter*

#### **2022:**

[Smart Gate Driver With SPI Protects 48-V Battery Systems In Mild Hybrids](#), Infineon Technologies' 2ED4820-EM EiceDRIVER gate driver

[Dual Gate Drivers For SiC And IGBT Switching](#), STMicroelectronics' dual-channel galvanically-isolated gate drivers for IGBTs (STGAP2HD) and SiC MOSFETs (STGAP2SICD)

[100-V Gate Driver Raises Efficiency, Saves Space](#), Diodes' DGD0579U high-side and low-side gate driver with built-in bootstrap diode

#### **2021:**

[NSREC Notes: Vendor Talks Highlight Advances In Power Devices, Packaging And Reference Designs For Space Applications](#), IR HiRel's RIC7S113 rad-hard high- and low-side gate driver, and RIC74424 rad-hard dual noninverting low-side gate driver; Renesas' ISL73033SEH low-side driver and 100-V GaN FET

[Gate Drivers Improve IGBT Module Performance For Offshore Wind Turbines](#), Power Integrations' SCALE-iFlex LT dual gate-drivers

[GaN Gate Driver Boosts Speed, Flexibility In Industrial And Home Automation](#), STMicroelectronics' STDRIVEG600 half-bridge gate driver

[Three-Phase MOSFET Gate Driver Maximizes Battery Life And Cuts Component Count](#), TRINAMIC Motion Control's TMC6140-LA MOSFET gate driver

[650-V GaN FET Features Integrated Driver And Enhanced Protection](#), Tagore Technology's TP44200NM 180-mΩ 650-V GaN E-HEMT device

[Programmable Three-Phase Driver IC Enables More-Integrated Designs For Power Tools](#), Infineon Technologies' 6EDL7141 three-phase gate driver IC

[Isolated Gate Drivers Are Optimized For EVs And Industrial Applications](#), Silicon Labs' Si828x version 2 isolated gate driver product family

[Plug-And-Play Gate Drivers Target Railway Applications](#), Power Integrations' SCALE-2 gate drivers

[Easy-To-Design-In Gate Drivers Offer Reinforced Isolation](#), Infineon Technologies' EiceDRIVER X3 gate driver families

[Isolated Gate Driver Safely Controls SiC MOSFETs](#), STMicroelectronics' STGAP2SiCS STGAP family of isolated gate drivers

[Half-Bridge And High-Side/Low-Side Gate Drivers Are Tailored For Fast Switching](#) Infineon Technologies' 2ED2103S06F/2ED2104S06F half-bridge and 2ED2110S06M/2ED2101S06F high- and low-side gate drivers

[Isolated Gate Driver Board Drives And Protects The Latest SiC Power Modules](#), Silicon Labs' Si823Hx gate driver board

[24-V Dual-Channel Gate Driver For Large Power Switches](#), Infineon Technologies' 2ED24427N01F low-side gate driver with an integrated thermal pad

[A Versatile Platform To Evaluate GaN Drivers And Transistors](#), GaN Systems's GS-EVB-HB-66508B-RN and GS-EVB-HB-66516T-RN 650-V half-bridge daughter cards

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### 2020:

[Isolated IGBT/SiC MOSFET Gate Driver Benefits HEV/EV Applications](#), Texas Instruments' UCC5870-Q1 IGBT/SiC MOSFET gate driver

[Automotive GaN FET Includes Driver, Protection And Active Power Management](#), Texas Instruments' LMG3522R030-Q1, LMG3525R030-Q1, LMG3422R050, LMG3425R050, LMG3422R030 and LMG3425R030 600-V and 650-V GaN FETs with integrated driver, protection and temperature reporting

[Automotive Gate Drivers Target 48-V Battery Systems](#), Allegro MicroSystems' AMT49100, AMT49101, AMT49502, A89503 and the A89500 three-phase and half-bridge gate drivers

[Devices Copackage Silicon Half-Bridge Driver And 650-V GaN Transistors](#), STMicroelectronics' MasterGaN1 GaN half bridge with integrated drivers

[SiC Power Module And Gate Driver Kit Speeds Inverter Design](#), Microchip Technology's AgileSwitch digital programmable gate driver and SP6LI SiC power module kit

[100-V Half-Bridge MOSFET Drivers Offer Ruggedness And High Performance](#), Renesas Electronics' HIP2211 and HIP2210 half-bridge MOSFET drivers

[SiC-Based Three-Phase Driver Module Delivers 80 A Peak, Is Fully Integrated](#), Apex Microtechnology's SA310 three-phase driver

[What We Missed At APEC: Silicon Carbide Marches On And Other Power Product News](#), EPC2152, an 80- V, 12.5-A power stage integrated circuit designed for 48-V dc-dc conversion; Rohm's BM6112 isolated gate driver

[Highly Robust Gate Drivers Achieve AEC-Q100 Automotive Qualification](#), Power Integrations' SID1181KQ SCALE-iDriver gate driver

[Robust Gate Drivers For Fast Switching SiC Power Modules](#), CISSOID's CMT-TIT0697 gate drivers for Wolfspeed's XM3 SiC MOSFET power modules