



control low-side and high-side driver channels independently with less than 5ns gate drive mismatch. ... The increasing demand in ventilators meant they would soon be out of supply, so a team at Monolithic Power Systems (MPS) sought to help ...

Monolithic Power Systems (MPS)

We can also provide strong design support from the beginning of the design to final system testing. Our full portfolio of PSE (power-sourcing equipment) and PD (powered device) products is capable of supporting power from 13W (IEEE802.3af) to 71.3W (IEEE802.3bt).

Our DC-DC power converters insure your devices dc power conversion is accurate, stable, low noise, low EMI, low ripple, and efficient while requiring minimal component count and cost. Our dc power converters are available in a wide variety of configurations, including step-down (buck), step-up (boost), and step-down/step-up (buck/boost). Our cutting-edge, cost-effective dc dc ...

MPS has the leading secondary synchronous rectifier technology. Regulation output ensures fast turn off speed and avoids secondary FET still being turned on when primary FET is turned on, making it possible to be used in CCM mode.

16V, 100A, Scalable, DC/DC Power Module with PMBus. The MPM3695-100 is a 100A, scalable, fully integrated power module with a PMBus interface. The device offers a complete power solution that achieves up to 100A of output current, with excellent load and line regulation across a wide input voltage range.

Since MPS was founded 23 years ago, we have delivered highly efficient power solutions, emphasizing ease of use and time to market, for the benefit of our customers. MPS ESG Report | A Commitment to Sustainability

Advanced driver assistance systems (ADAS) and infotainment system-on-chips (SoCs) are offering increasingly higher computing power, which in turn results in higher power demands. An SoC can require more than 10 different power rails, with currents ranging from hundreds of amperes (A) to a few mA.

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