搭载SiC MOSFET驱动专用栅极驱动电路
Integrates Gate Drive Circuit Dedicated for SiC MOSFET

SiC MOSFET驱动用准谐振AC/DC转换器控制IC
Quasi-Resonant AC/DC Converter Control IC for SiC MOSFET Drive

BD7682FJ-LB, BD7683FJ-LB, BD7684FJ-LB, BD7685FJ-LB

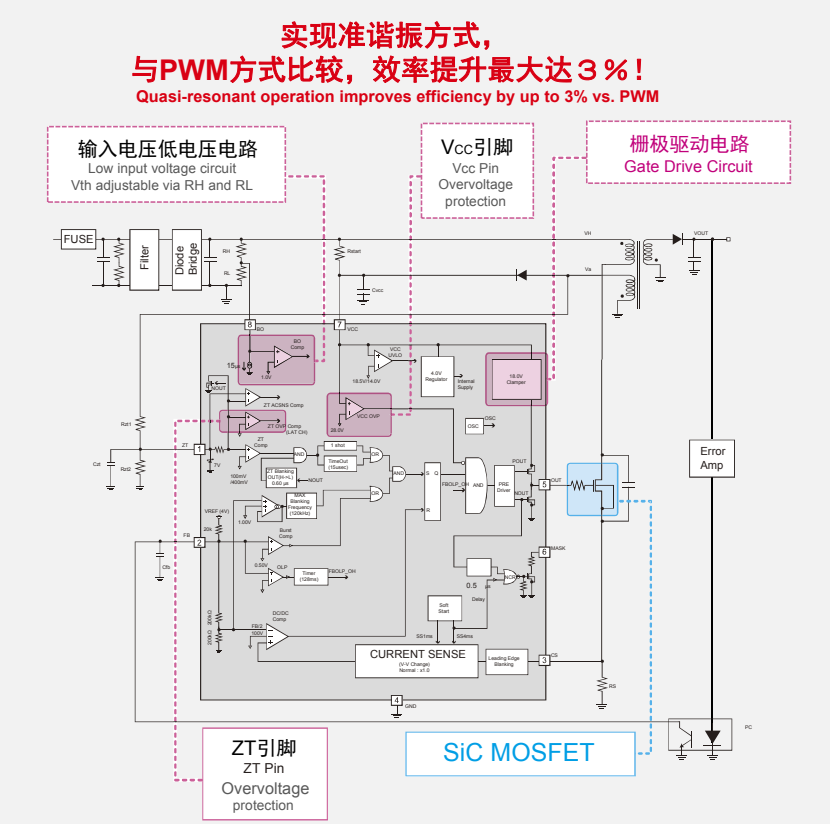
特点

- **充分发挥SiC MOSFET的性能的驱动器电路**
  Optimized drive circuit maximizes SiC MOSFET performance
- **采用低噪声、高效率的准谐振方式**
  最大支持150W电源
  Low noise, high efficiency quasi-resonant operation supports up to 150W
- **搭载众多保护功能，AC 690V高电压下也可工作**
  Multiple protection functions enable high voltage operation (AC Max. 690V)

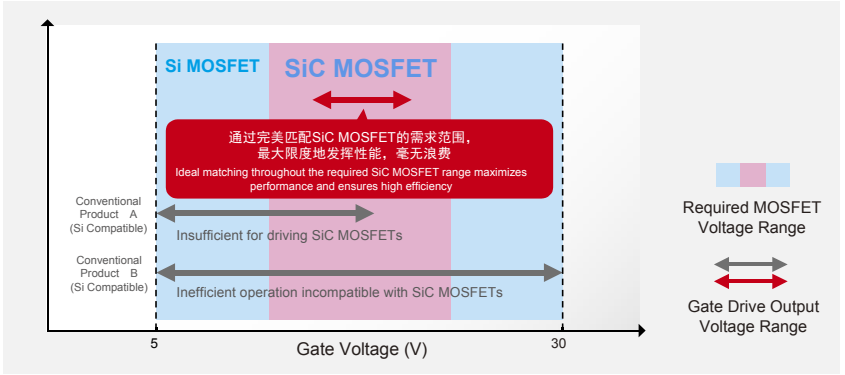
应用

- **工业设备（逆变器、FA、伺服等）**
  Industrial equipment (i.e. inverters, FA, servos)
- **智能仪表**
  Smart meters

搭载丰富的保护电路，有助于可靠性提升
Multiple Protection Circuits Improve Reliability



MOSFET与栅极驱动电路的匹配
MOSFET-Gate Drive Circuit Matching



AC/DC转换器驱动时的 Si MOSFET与SiC MOSFET效率比较
Efficiency Comparison : Si MOSFET vs. SiC MOSFET (During AC/DC Converter Operation)