

第3代 内置高速二极管 600V Super Junction MOSFET

3rd Generation 600V Super Junction MOSFETs with Built-in Fast Recovery Diode

NEW



PrestoMOS

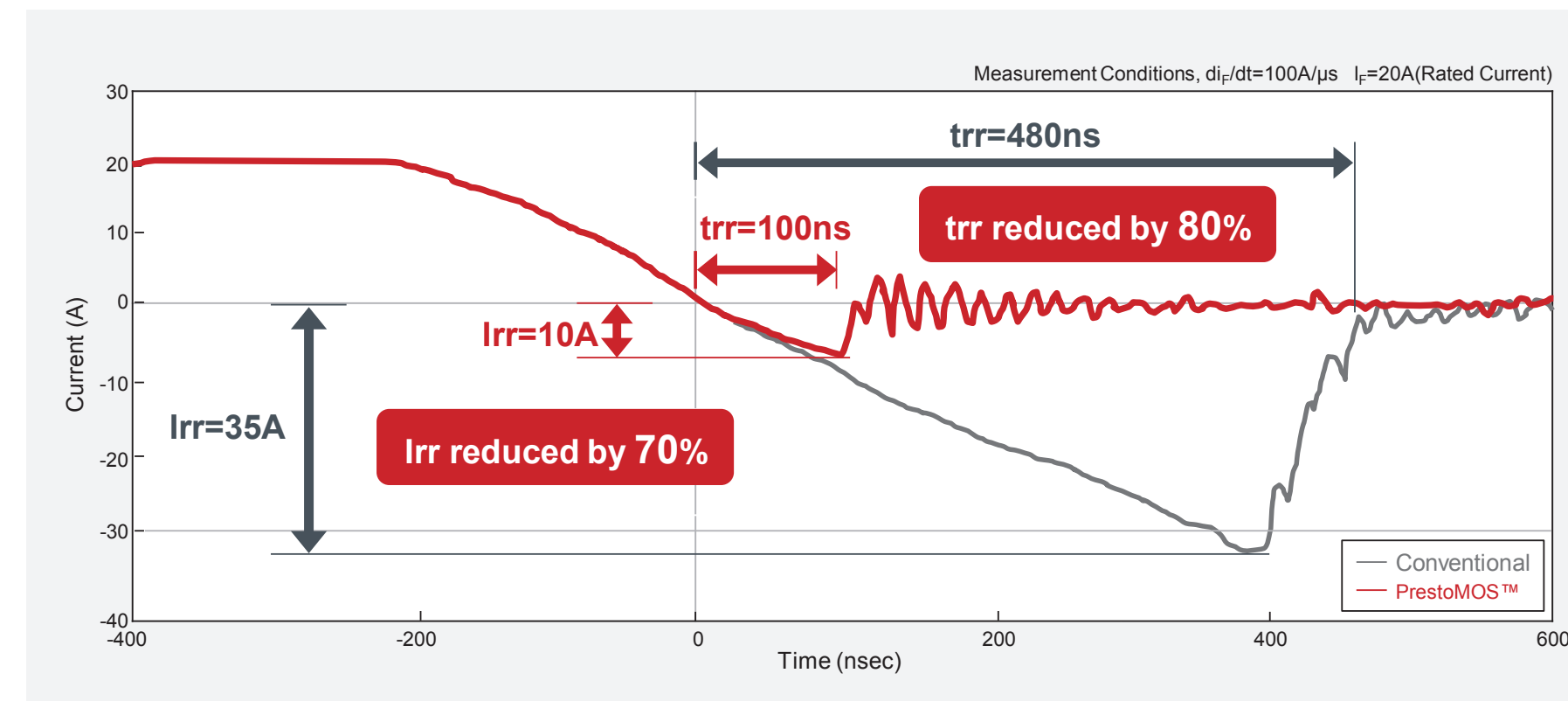
R60xxJNx Series

特点

- 有助于提高逆变器的效率
Improves inverter efficiency
- 有助于减少贴装面积
(低导通电阻⇒封装尺寸缩小、
内置高速二极管⇒并联使用的FRD减少)
Contributes to reduced mounting area
(Low ON resistance → smaller package size /
Fast recovery diode → eliminates need for FRD
connected in parallel)
- 设计更便捷
Improves ease of use (soft recovery)
- 丰富的产品阵容
A wide range of lineup

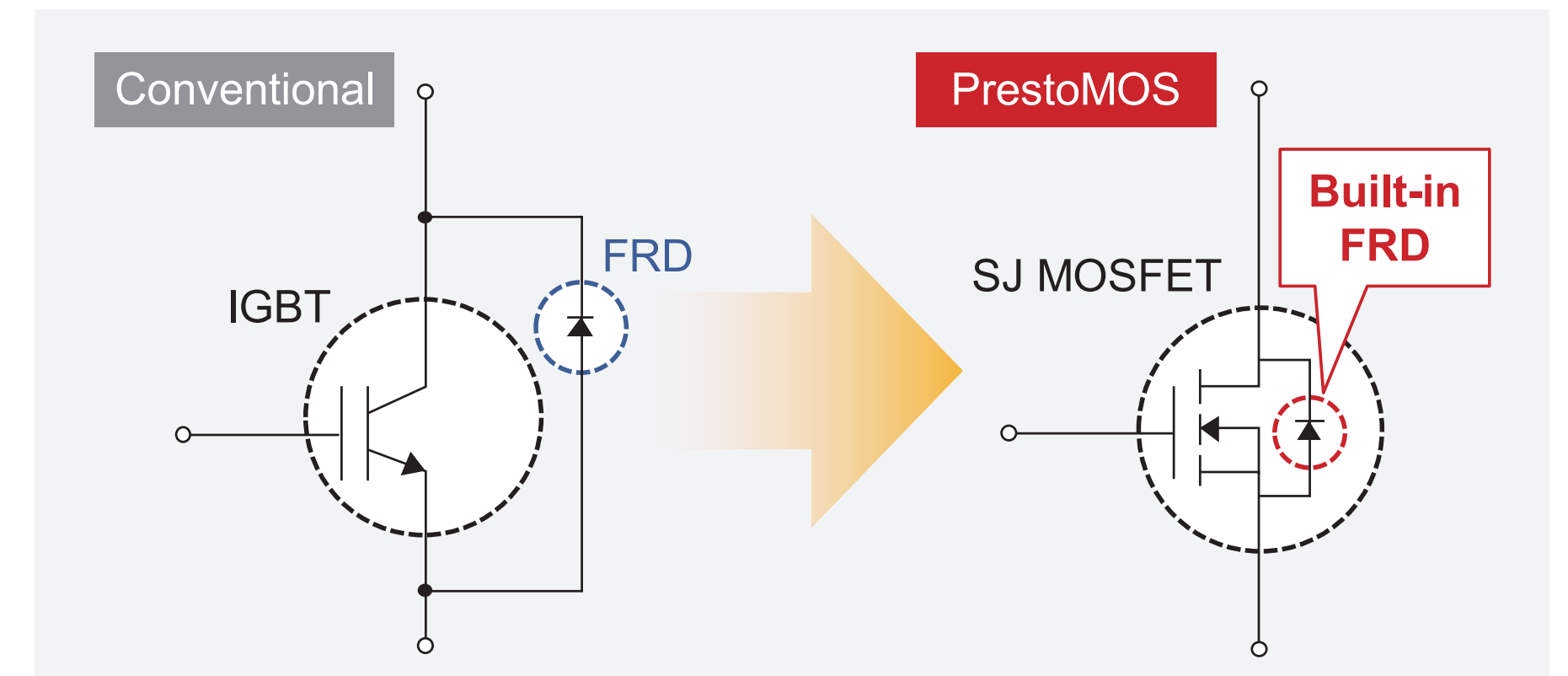
内置二极管 恢复特性

Internal Diode Recovery Characteristics



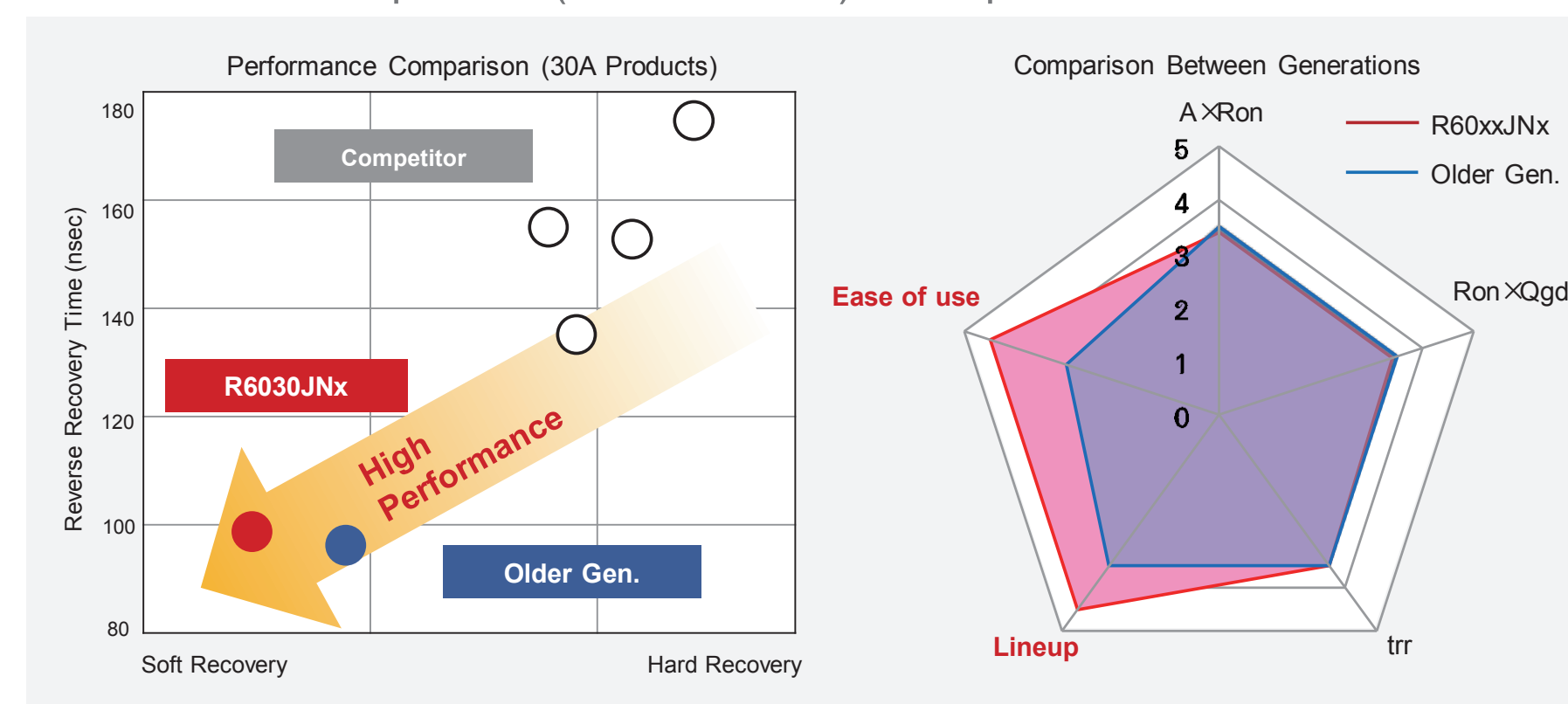
应用电路举例

Circuit Diagrams



性能比较 (30A产品比较) / 换代产品之间的性能比较

Performance Comparison (30A Products) / Comparison Between Generations



产品阵容

Lineup

Ron Typ. (mΩ)	Packages				
	TO-252 (DPAK) [SC-63]	TO-263 (LPT(S) D2PAK) [SC-83]	TO-220FM	TO-3PF	TO-247
1100	New R6004JND3	New R6004JNJ	New R6004JNX		
720	New R6006JND3	New R6006JNJ	New R6006JNX		
600	New R6007JND3	New R6007JNJ	New R6007JNX		
450	New R6009JND3	New R6009JNJ	New R6009JNX		
350		New R6012JNJ	New R6012JNX		
220		New R6018JNJ	New R6018JNX		
180		New R6020JNJ	New R6020JNX	New R6020JNZ	☆ R6020JNZ4
140			New R6025JNX	New R6025JNZ	☆ R6025JNZ4
110			☆ R6030JNX	New R6030JNZ	☆ R6030JNZ4
90					☆ R6042JNZ4
64				☆ R6050JNZ	☆ R6050JNZ4
45					☆ R6070JNZ4

应用

- 电机驱动器
Motor drive
- 节能白色家电
Energy-saving appliances
- 太阳能电池功率调节器
Solar battery power conditioners