

TRENCHSTOP™ IGBT7 for low & medium power



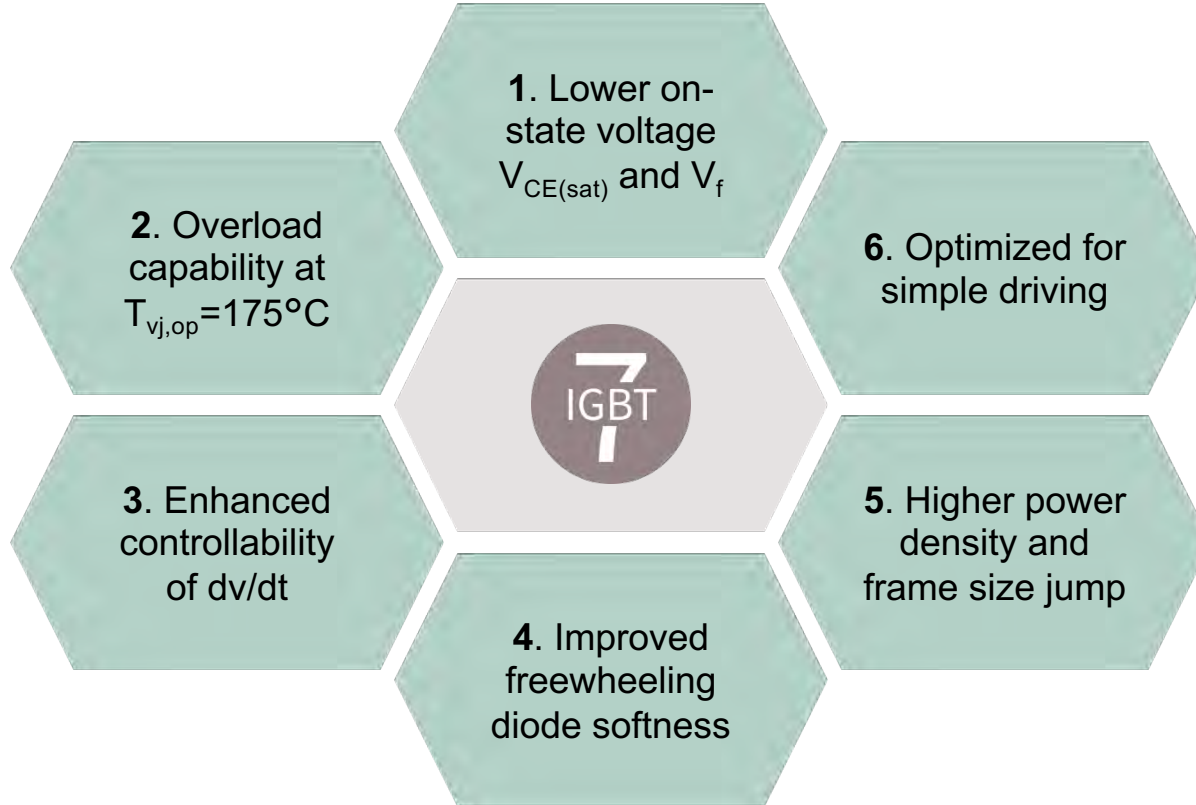
인피니언 전력반도체 솔루션
가상부스에 오신 걸 환영합니다!



TRENCHSTOP™ IGBT7

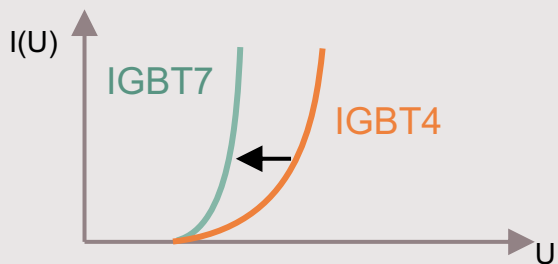
Increase your system performance with Infineon's latest IGBT technology



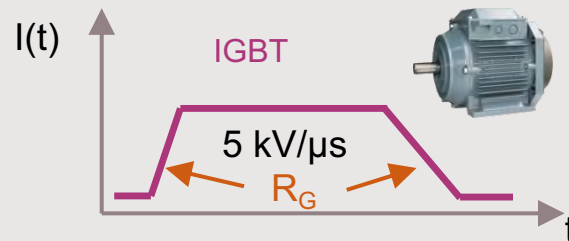


Technical benefits of TRENCHSTOP™ IGBT7

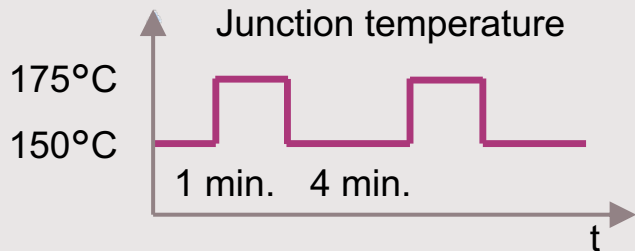
Best-in-class $V_{CE,sat}$



Enhanced controllability of dv/dt ; optimized for drive applications



Operation at 175°C at overload



Higher power density Same power in 35% smaller package

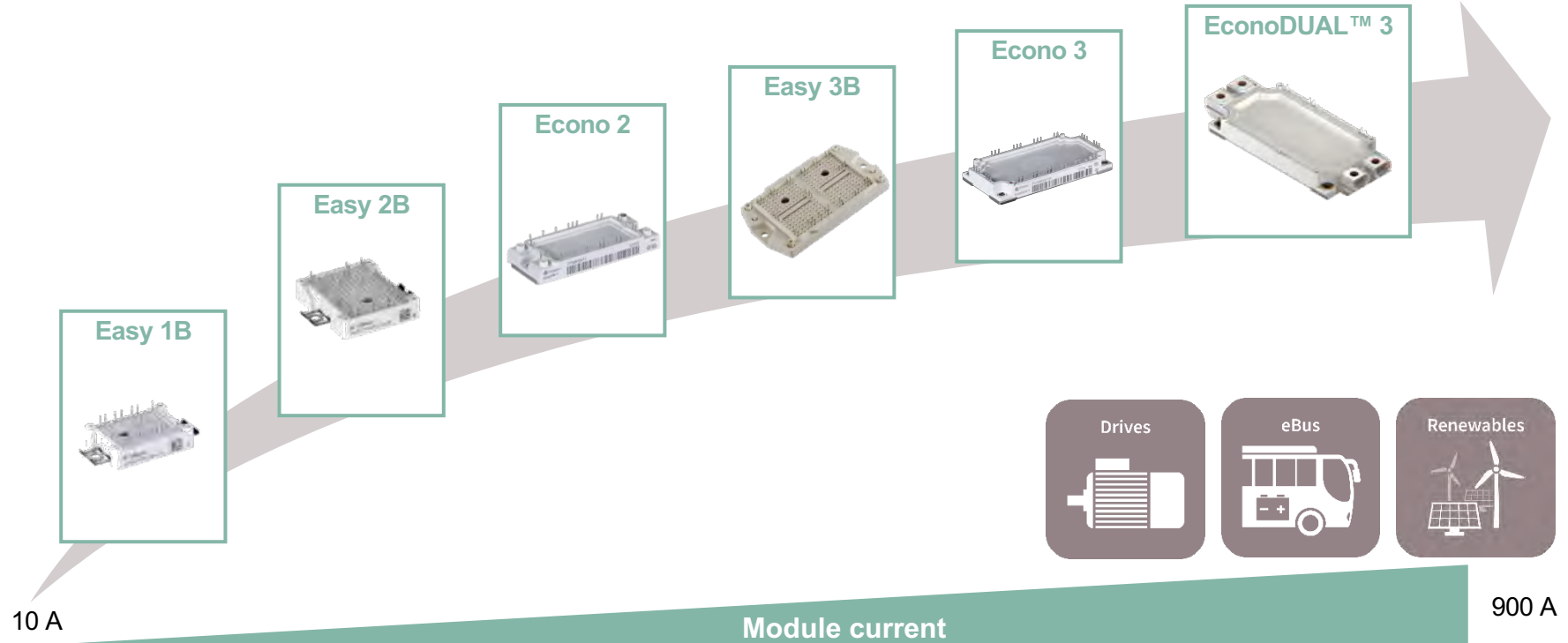


TRENCHSTOP™ IGBT7

Package portfolio for maximum flexibility









Product line-up



Easy with TRENCHSTOP™ IGBT7

Planned portfolio for 1200 V



	Package	10 A	15 A	25 A	35 A	50 A	75 A	100 A	150 A	200 A
PIM	EasyPIM™ 1B 	Available	Available	Available						
	EasyPIM™ 2B 			Available	Available	Power extension				
	EasyPIM™ 3B 					Power extension	Power extension	Planned module		
6-pack	EasyPACK™ 1B 			Available	Available	Available				
	EasyPACK™ 2B 					Available	Available	Power extension		
	EasyPACK™ 3B 							Power extension	Power extension	Power extension

Available
 Planned module
 Power extension



All modules will also be available with TIM.

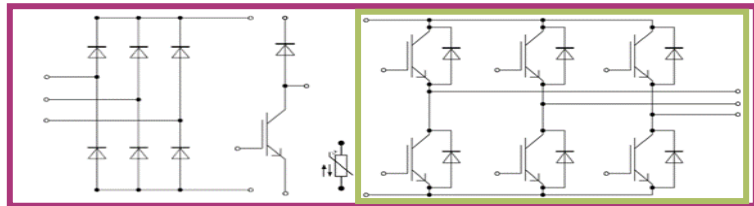
EconoPACK™ and EconoPIM™ with TRENCHSTOP™ IGBT7

More power in the same package!



Key features

- › Freewheeling diode EC7 performance improvement
- › 150°C continuous operation and 175°C overload capability
- › Optimized input capacitance to simplify driver circuit
- › Cost advantage by using well-known PIM configuration
- › Best-in-class performance with EconoPIM™ 2 module (FP100R12N2T7)
- › Allows increase in power density for compact inverter designs



EconoPIM™





EconoPACK™



EconoPACK™ and EconoPIM™ with TRENCHSTOP™ IGBT7

Planned portfolio for 1200 V



	I_C	25 A	35 A	50 A	75 A	100 A	150 A	200 A
PIM 1200 V	EconoPIM™ 2					★		
	EconoPIM™ 3							★
6-pack 1200 V	EconoPACK™ 2						★	
	EconoPACK™ 3							



Available



Planned module



Lead types

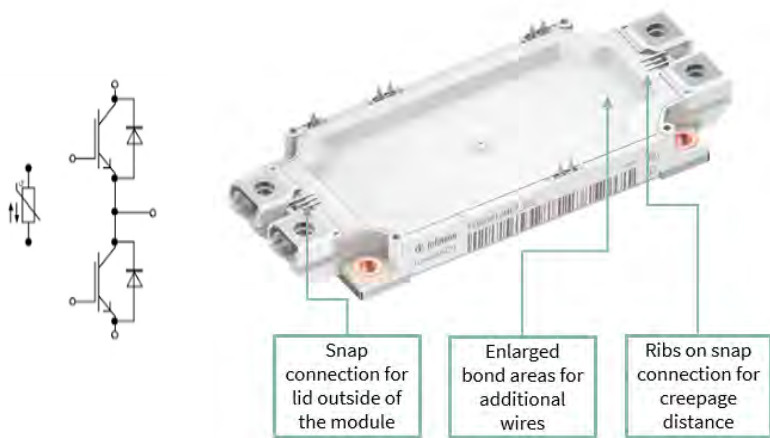


Power extension



All modules will also be available with TIM.

EconoDUAL™ 3 with TRENCHSTOP™ IGBT7



Key features

- › 900 A 1200 V EconoDUAL™
- › Latest TRENCHSTOP™ IGBT7 chip technology
- › Improved EconoDUAL™ 3 housing for high current density

Benefits

- › +30% higher inverter output current for the same frame size
- › Avoidance of paralleling of IGBT modules
- › Simplification of the inverter systems








Target applications



EconoDUAL™ with TRENCHSTOP™ IGBT7

Planned portfolio for 1200 V and 1700 V



	IC	300 A	450 A	600 A	750 A	900 A
1200 V	EconoDUAL™ 3 				 	
1700 V	EconoDUAL™ 3 				 	



 Available
  Planned module
  Lead types
  Power extension



All modules will also be available with TIM.



Part of your life. Part of tomorrow.