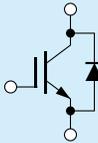
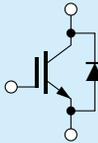
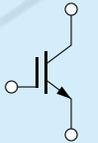
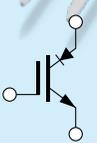
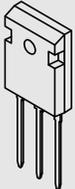
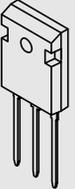


# Fuji High-speed V-series Discrete IGBT

- **6<sup>th</sup> gen. IGBT technology**  
Field-stop technology and trench-gate structure
- **Improved  $V_{ce(sat)}$ - $E_{off}$ ,  $V_f$ - $E_{rr}$  trade-off**  
Suitable for UPS, PV, welding and motor control
- **$T_{j(max)}=175^{\circ}C$ ,  $T_{j(op)}=175^{\circ}C$  guaranteed**
- **Two options for switching speed**  
High-speed series with ultra-fast FWD  
V-series with soft-recovery FWD



$V_{CE}$	PKG	$I_C$	 V series w/ Soft-recovery FRD	 High-speed V series w/ Ultra FRD	 High-speed V series w/o FRD	 Reverse Blocking IGBT
600V	 TO-247	30A	FGW30N60VD			
		35A		FGW35N60HD FGW35N60HC*	FGW35N60H	
		50A	FGW50N60VD	FGW50N60HD FGW50N60HC*	FGW50N60H	
		75A		FGW75N60HD	FGW75N60H	
		85A				FGW85N60RB
1200V	 TO-247	15A	FGW15N120VD	FGW15N120HD	FGW15N120H	
		25A	FGW25N120VD			
		30A		FGW30N120HD	FGW30N120H	
		40A	FGW40N120VD	FGW40N120HD	FGW40N120H	

\* $I_C = I_F$