Selection tree

650 V

Free Wheeling Diode (FWD)

No

50 Hz-20 kHz Low speed	30 kHz-120 kHz High speed
Low $V_{CE(sat)}$ TRENCHSTOP™ 5 (L5)	TRENCHSTOP™ 5 (H5/F5)
Corresponding best fit IGBT	
IGW30N65L5	IGP20N65H5/F5 IGP30N65H5/F5 IGP40N65H5/F5 IGW30N65H5/F5 IGW40N65H5/F5 IGW50N65H5/F5 IGZ50N65H5 IGZ75N65H5 IGZ100N65H5

Yes

50 Hz-20 kHz Low speed	> 20 kHz-60 kHz High speed	10 kHz-40 kHz High speed (NEW!)	30 kHz-100 kHz High speed	60 kHz-120 kHz Ultra-high speed
Low $V_{CE(sat)}$ TRENCHSTOP™ 5 (L5)	RC TRENCHSTOP™ 5 (WR5)	„Soft“ TRENCHSTOP™ 5 (S5)	TRENCHSTOP™ 5 (H5)	TRENCHSTOP™ 5 (F5)
Corresponding best fit IGBT				
IKW30N65EL5 IKW30N65NL5 IKW75N65EL5 IKZ75N65EL5	IKW30N65WR5 IKW40N65WR5 IKW50N65WR5	IKW30N65ES5 IKW40N65ES5 IKW50N65ES5 IKW75N65ES5	IKP08N65H5 IKP15N65H5 IKP20N65H5 IKP30N65H5 IKP40N65H5 IKA08N65H5 IKA15N65H5 IKW30N65H5 IKW40N65H5 IKW50N65H5 IKW50N65EH5 IKW75N65EH5 IKZ50N65EH5 IKZ50N65NH5 IKZ75N65EH5 IKZ75N65NH5	IKP08N65F5 IKP15N65F5 IKP20N65F5 IKP30N65F5 IKP40N65F5 IKA08N65F5 IKA15N65F5 IKW30N65F5 IKW40N65F5 IKW50N65F5
Solar, Welding, UPS	Welding, PFC	Solar, Welding, UPS, Storage	Solar, Welding, UPS, Charger	Solar, Welding, UPS, Charger