



Electric drives control:

Power modules for (H)EV inverters



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Application	Product	V _{CE max} [V]	I _{C max} [A]	U _{CE sat} [V]	R _{th(j-c)} per IGBT switch [K/W]	Features	T _{j min} [°C]	T _{j max} [°C]	Package
New IGBT half bridge for (H) EV inverters	MH6560C	650	600	1.40 (@ I _{CE mod} =600A, V _{GE} =15V, θ=25°C)	0.076	<ul style="list-style-type: none"> • 3rdGen. IGBT mold module • Wirebond-less contacting of IGBTs and diodes • Low inductance layout • T-sense (NTC) for overtemperature detection • I-sense on chip for short-circuit detection • Large, isolated pads for excellent thermal contact • ROHS compliant, halogen-free 	-40	150	Mold module with customer specific contacts, 63 mm (L) x 57 mm (W) x 7.5 mm (H)
New IGBT half bridge for (H) EV inverters	MH6530C	650	300	1.40 (@ I _{CE mod} =300A, V _{GE} =15V, θ=25°C)	0.14	<ul style="list-style-type: none"> • 3rdGen. IGBT mold module • Wirebond-less contacting of IGBTs and diodes • Low inductance layout • T-sense (NTC) for overtemperature detection • I-sense on chip for short-circuit detection • Large, isolated pads for excellent thermal contact • ROHS compliant, halogen-free 	-40	150	Mold module with customer specific contacts, 63 mm (L) x 57 mm (W) x 7.5 mm (H)