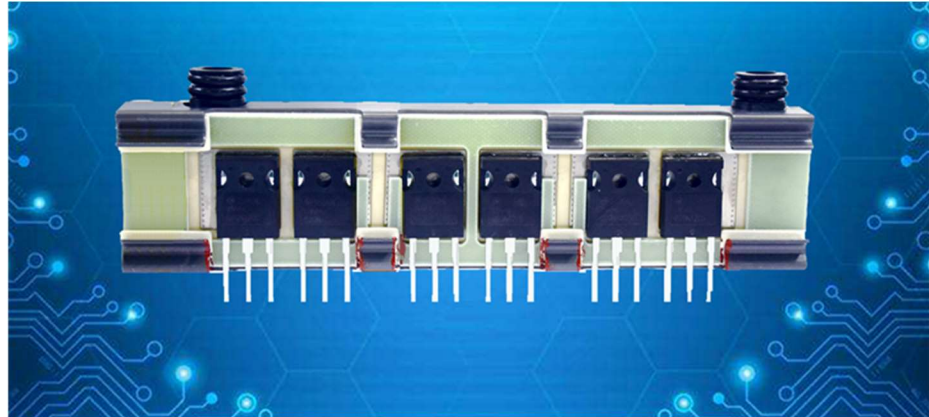


PRODUCT SHEET



Product Part Number	AIPM 12-20-6LSC
Product Description	SiC MOSFET Power Module
Voltage	1200V Rated
Phase Current Rating when connected as a 3-phase inverter	175Arms as single module 350Arms as dual module 525Arms as triple module
External Component Dimensions LxHxW	174.4x27.3x51.2mm³
Weight	357 grams

Our SiC MOSFET discrete Power Module is liquid-cooled with integrated heatsink. For automotive applications, the patented high-power density design saves space and simplifies inverter packaging. The module utilizes twelve high efficiency 1200V rated SiC MOSFETs and has been validated to AEC Q101 and AQC324 for reliability. When used with a printed circuit board, very low stray inductance is achieved compared to conventional power modules. For highest efficiency and increase in vehicle range by as much as 5%, SiC is superior to conventional IGBT based power modules. A module temperature sensor is provided.