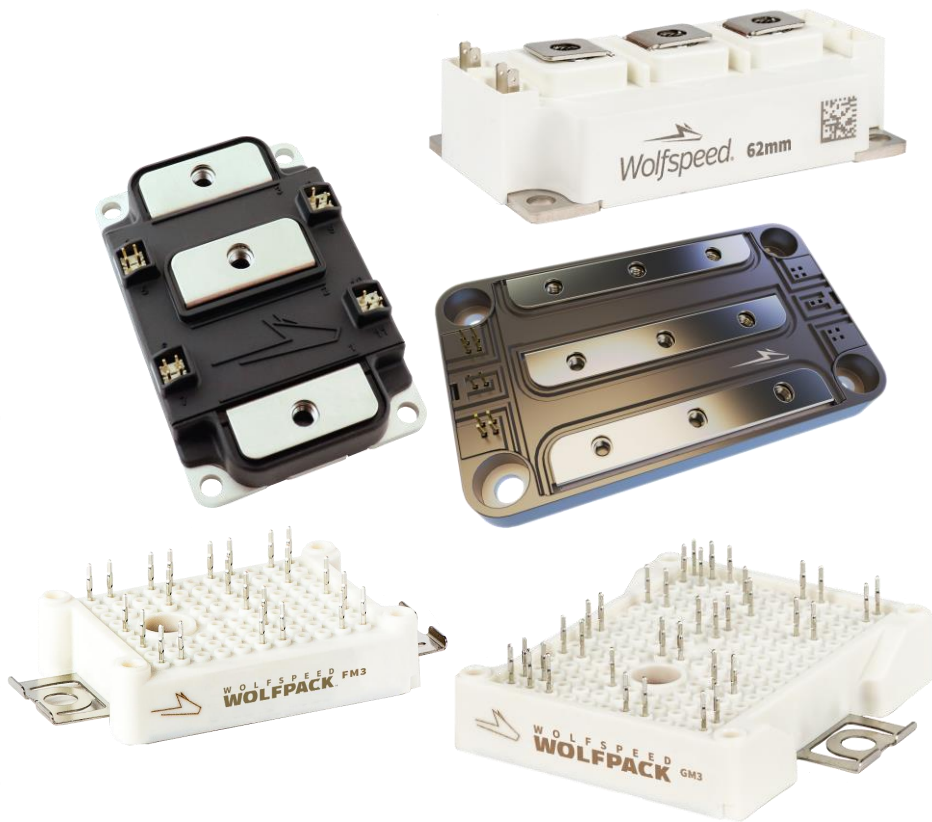


Wolfspeed Power Module Portfolio



YOU DON'T WANT TO MISS THIS IN PCIM 2022



- Wolfspeed announces new **1700 V** Silicon Carbide modules with **C3M™ MOSFETs** in BM, XM, and HM packages.
- **Wolfspeed released its 1st automotive-grade** Silicon Carbide module EAB450M12XM3 and in mass production.
- The industrial-standard footprint **Wolfspeed WolfPACK™ modules** available now in eight market-popular configurations.

WOLFSPEED MODULE PORTFOLIO

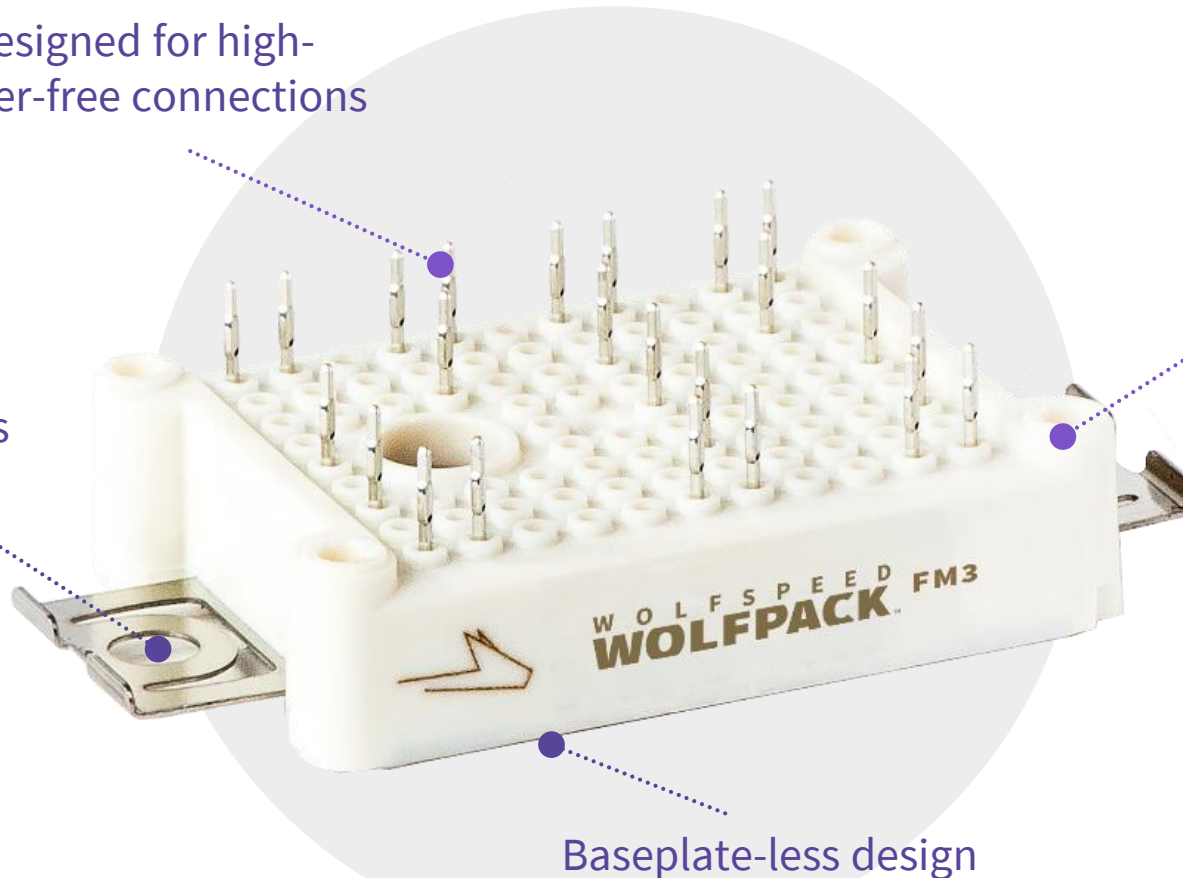


Module type	Wolfspeed WolfPACK™		Leadframe with Baseplate	
Platform	FM/GM Industry Standard	BM Industry Standard	XM Wolfspeed Standard	HM Wolfspeed Standard
MOSFET Gen	Gen 3	Gen2 / Gen 3	Gen 3	Gen 3
Voltage	1.2kV		1.2V / 1.7kV	
Current	<300A	<600A	<500A	<800A
Qual Level	Industrial	Industrial / Harsh Environment	Industrial	Industrial
Recommended Applications	PV, Energy Storage, low cost industrial apps, Off Board Charger	Rail Aux Pwr, broad industrial	Heavy Equipment/Performance drive train inverter, UPS, Off Board Charger	Test Equipment, Fast Charging off board charger

THE INDUSTRIAL-STD. FOOTPRINT WOLFSPEED WOLFPACK™ GM3/FM3 OFFER EIGHT MARKET-POPULAR SPECIFICATIONS

Press-fit pins designed for high-reliability, solder-free connections

Heatsink mounting holes



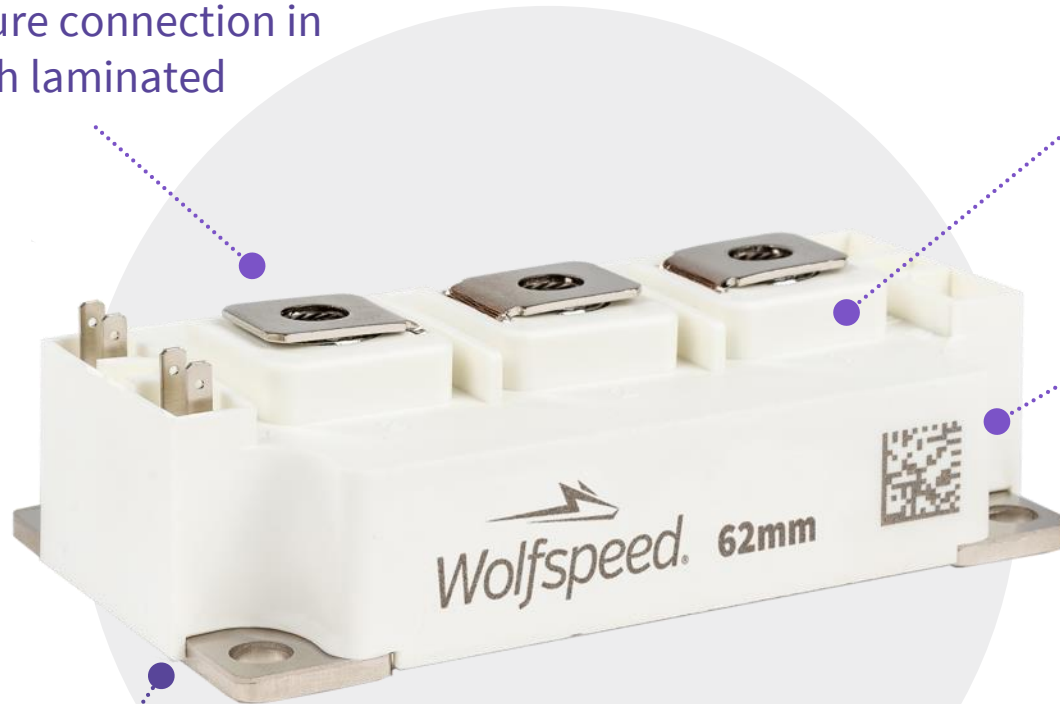
CAB006A12GM3
CAB006M12GM3
CAB008A12GM3
CAB008M12GM3
CAB011M12FM3
CAB016M12FM3
CCB021M12FM3
CCB032M12FM3

WOLFSPEED'S BROADEST 62-MM BM PORTFOLIO EXTEND ITS GEN3 IN 1.7 KV AND THB-80 CONFIGURATIONS

Screw terminals for secure connection in high-power systems with laminated busbars or PCBs

Creepage/clearance for 5 kV isolation to support 1.7 kV active devices

Industrial-standard housing compatible with different topologies



Aluminum nitride substrates & copper baseplate maximize thermal conductivity and mechanical robustness

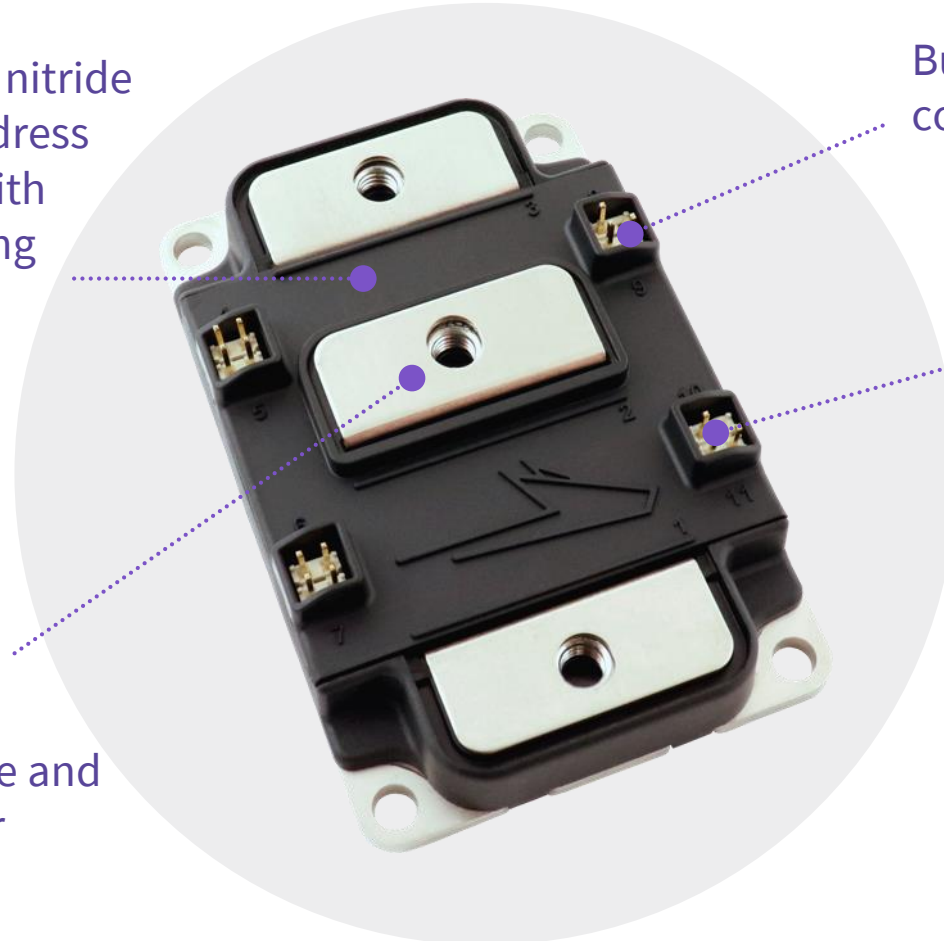
CAS175M12BM3*
CAS350M12BM3*
CAS530M12BM3*
WAS175M12BM3*
WAS350M12BM3*
WAS530M12BM3*
CAS310M17BM3*
WAS310M17BM3*

**coming soon*

WOLFSPEED XM3 MODULES OFFER NEW DESIGNS IN AUTOMOTIVE GRADE AND 1.7 KV VOLTAGE CLASS

High-reliability, silicon nitride power substrate to address demanding markets with enhanced power-cycling capability

Offset middle-terminal layout allows for simple and low-inductance busbar interconnection



Built-in voltage-sensing (DESAT) connection for easy driver integration

Integrated temperature sensor on low-side switch position (close to external NTC pin location)

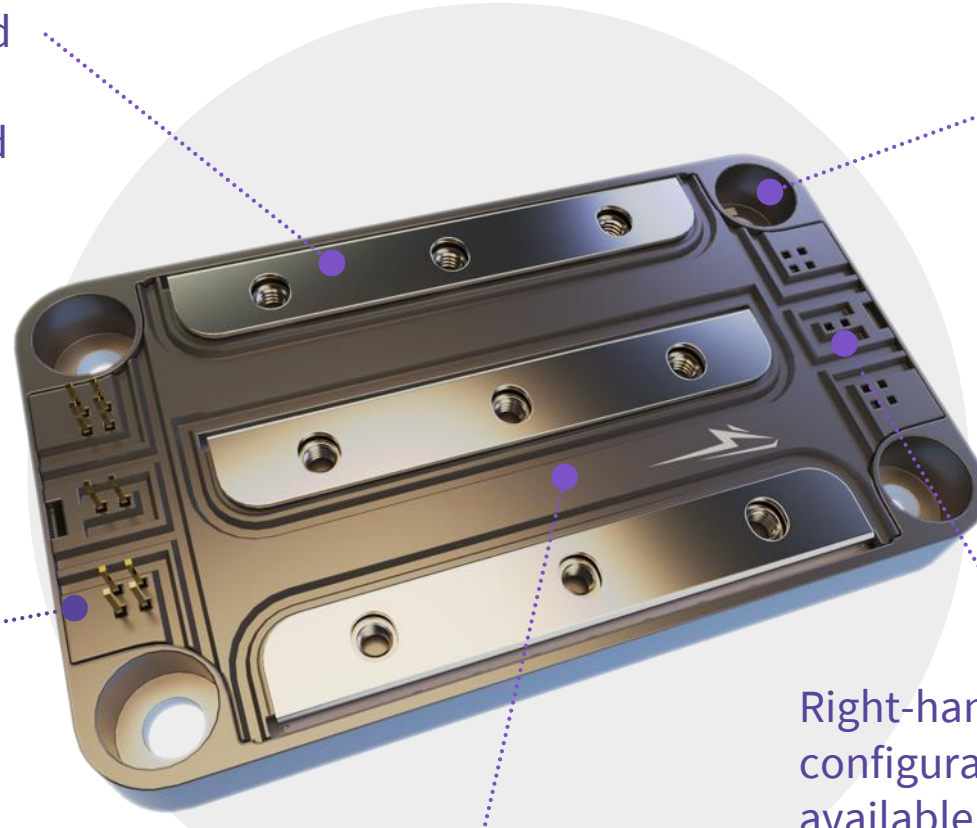
CAB525M12XM3*
EAB450M12XM3
EAB525M12XM3*
CAB425M12XM3
CAB400M12XM3
CAB320M17XM3*

**coming soon*

WOLFSPEED STD. 62-MM HM3 HIGH-PERFORMANCE MODULES RELEASE NEW DESIGNS WITH HIGHER FLEXIBILITY

4.9 nH inductance and terminal design for high-power laminated busbar connections

62mm bolt compatibility with AlSiC baseplate for strong thermomechanical performance in a lightweight package



Creepage and clearance to accommodate up to 1.7kV devices

Right-hand pin configuration available for flexible system integration
CAB760M12HM3R

EN45545 HL3 compliant plastic

CAS480M12HM3
CAB760M12HM3
CAB760M12HM3R
CAR600M12HN6
CAB650M17HM3
CAS380M17HM3
CAB500M17HM3
CAR600M17HN6

A large, stylized grey wolf head logo is positioned in the background, facing right. The logo is composed of several sharp, angular shapes that form the snout, eye, and ear. The text "THANK YOU" is centered over the middle of the wolf's snout.

THANK YOU