

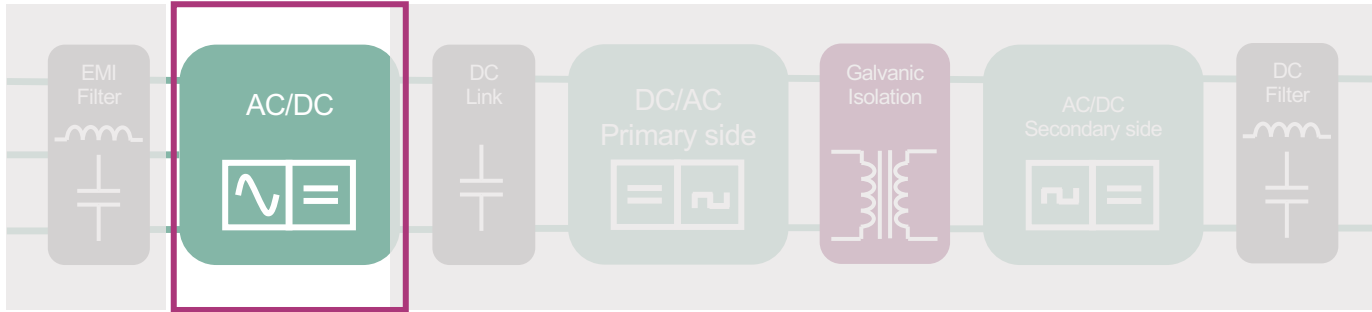


# 1200 V CoolSiC™ MOSFET modules for EV charging

Infiniteon's virtual show 2020



# Easy CoolSiC™ MOSFET portfolio for AC/DC EV charging applications



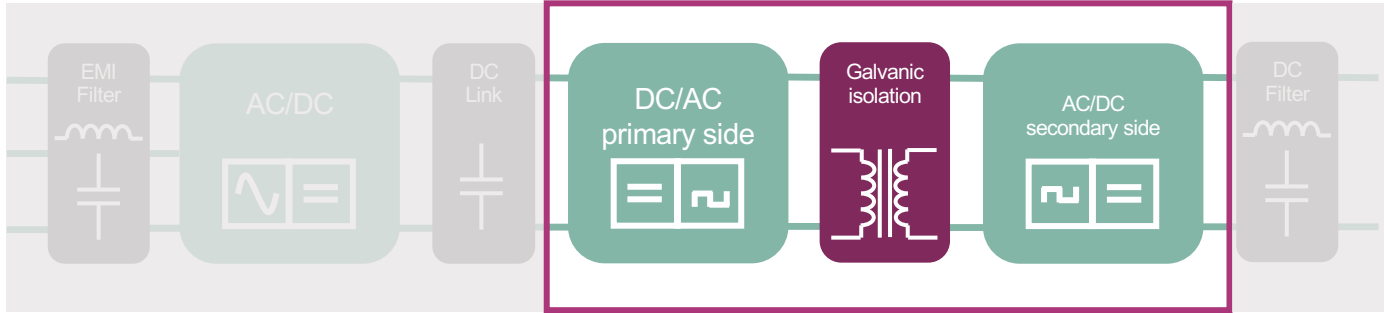
Power rating	$R_{DS(on)}$ [mΩ]	1200 V half-bridge	1200 V 3-level	1200 V SixPACK
3-22 kW	45	FF45MR12W1M1_B11		FS45MR12W1M1_B11
	23	FF23MR12W1M1(P)_B11		
Up to 50 kW	15		F3L15MR12W2M1_B69	
	11	FF11MR12W1M1(P)_B11 FF11MR12W1M1_B70	F3L11MR12W2M1_B65 F3L11MR12W2M1_B74	
75-150 kW	9			
	8	FF8MR12W2M1(P)_B11		
	6	FF6MR12W2M1(P)_B11 FF6MR12W2M1_B70		

B11 = PressFIT pin  
 B65/B74 = ANPC  
 B69 = Rectifier: SiC MOSFET & SiC diodes  
 B70 = AlN ceramic  
 P = TIM

Orderable, registerable and available now

In development

# Easy CoolSiC™ MOSFET portfolio for DC/DC EV charging applications



Power rating	$R_{DS(on)}$ [mΩ]	1200 V half-bridge	1200 V H-bridges
3-22 kW	45	FF45MR12W1M1_B11	F4-45MR12W1M1B76
	23	FF23MR12W1M1(P)_B11	F4-23MR12W1M1(P)_B11 F4-23MR12W1M1_B76
Up to 50 kW	15	FF11MR12W1M1(P)_B11 FF11MR12W1M1_B70	F4-15MR12W1M1_B76
	11	FF11MR12W1M1(P)_B11 FF11MR12W1M1_B70	F4-11MR12W1M1_B76
75 kW-150 kW	8	FF8MR12W2M1(P)_B11	
	6	FF6MR12W2M1(P)_B11 FF6MR12W2M1_B70	

I [A]	EasyPACK™
	SiC rectifier bridge
20	DDB2U20N12W1RF_B11
40	DDB2U40N12W1RF_B11
60	DDB2U60N12W1RF_B11

Orderable, registerable and available now  
In development

B11 = PressFIT pin  
B70 = AlN ceramic  
B76 = Improved pinouts  
F = SiC diode  
P = TIM



Part of your life. Part of tomorrow.