

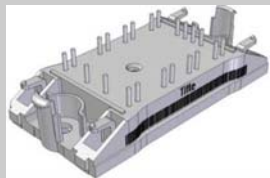
Power Modules

Power Modules for Active Power Factor Correction

Vincotech is pleased to announce the release of new products, specifically designed for active power factor correction (PFC).

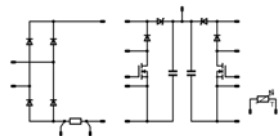
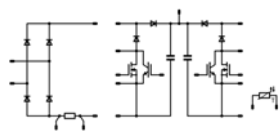
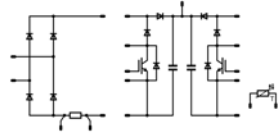


General Features:

- Dual boost circuits for paralleled, interleaved or bridgeless switching mode
- Output power at 230V input: up to 8kW
- 1~ Rectifier, optional ½ controlled for inrush current limitation
- Alternative semiconductor technology optimized for different PWM frequencies between 20kHz and 400kHz per leg: MOS-FET, IGBT or new Parallel Switch with hyper fast FRED or SiC rectifier
- Interface for OC or OE current transformer with low inductive bypass at turn off
- Ultra low inductive design with integrated DC-capacitor
- Shunt resistor
- Temperature Sensor
- 12mm housing (17mm on request)

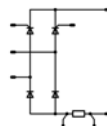


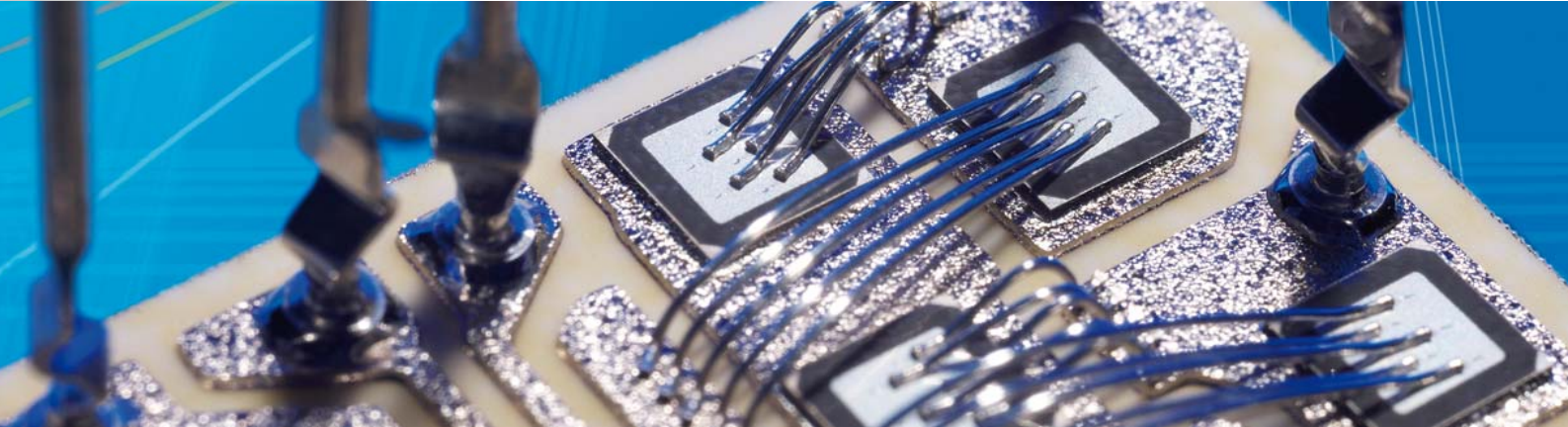
flow0 housing
12 x 66 x 33mm

OC

FZ062TA099FH /01 (/01 = ½ controlled rectifier)	600V 2 x 99mΩ	CP MosFet +SiC ultra high speed (100...400kHz)	
FZ062UA032FP10/11 (/11 = ½ controlled rectifier)	600V 2x (165 mΩ // 45A)	CP MosFet // PT IGBT + Stealth II high speed , high current (40...150kHz)	
FZ062UA040FP /01 (/01 = ½ controlled rectifier)	600V 2x (165mΩ // 45A)	CP MosFet // PT IGBT + SiC ultra high speed , high current (40...250kHz)	
FZ062TA030FB /01 (/01 = ½ controlled rectifier)	600V 2x 30A	HS* IGBT2 + Stealth II high current (20...100kHz)	
FZ062TA040FB /01 (/01 = ½ controlled rectifier)	600V 2x 50A	HS* IGBT2 + Stealth II high current (20...100kHz)	

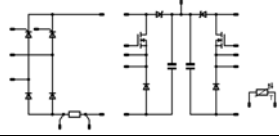
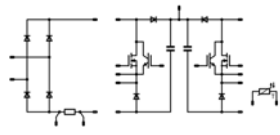
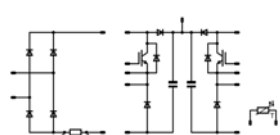
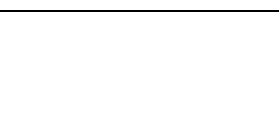
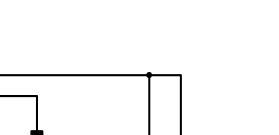
optional with ½ controlled
rectifier /01 / 11 -D28



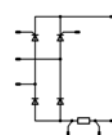


Power Modules

OE

F0062TA099FH02 (17mm / ½ controlled rect.)	600V 2 x 99mΩ	CP MosFet +SiC ultra high speed (100...400kHz)	
FZ062UA032FP12 /13 (/13 = ½ controlled rectifier)	600V 2x (165 mΩ // 45A)	CP MosFet // PT IGBT + Stealth II high speed , high current (40...150kHz)	
FZ062UA040FP02 /03 (/03 = ½ controlled rectifier)	600V 2x (165mΩ // 45A)	CP MosFet // PT IGBT + SiC ultra high speed , high current (40...250kHz)	
FZ062TA030FB02 /03 (/03 = ½ controlled rectifier)	600V 2x 30A	HS* IGBT2 + Stealth II high current (20...100kHz)	
FZ062TA040FB02 /03 (/03 = ½ controlled rectifier)	600V 2x 50A	HS* IGBT2 + Stealth II high current (20...100kHz)	

optional with ½ controlled rectifier /13 / 03 -D48



Application Example for interleaved PFC:

