

Product

News

EMBEDDED

VoIP, ADCs Ethernet,
ASSPs, Mixed Signal
ICs

SENSORS

Accelerometers,
Gyroscopes, Magnetics

RF & MICROWAVE

Attenuators, Power
AMPS Antennas, GPS
Modules

POWER MANAGEMENT

Battery Charge ICs,
Hot Swap Controllers,
Power Supply Trackers,
Super Capacitors,
Power Modules &
Inverters

WIRELESS

Telematic Platforms,
GSM GPRS & 3G
Modems, 3G Routers,
3G Dongles,
Gateways,
Tracking Units
WiMAX Modems &
Controllers



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Vincotech, a Gores group company, is a leading manufacturer of Power Modules and Inverters with European Design and Production.

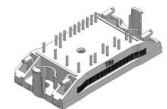
Vincotech's range of Power Modules and Inverters serve markets such as **efficient motion control** (Drives) and **renewable energy power conversion**, with major successes in the Solar Energy Market.

The Vincotech range has 13 different standard housings and more than 35 standard product families, **Vincotech** offers a wide **power module** range using different topologies.



Vincotech's power modules include power integrated modules (combination of input rectifier, inverter and brake chopper), sixpack inverter modules, rectifier modules, PFC-, H-bridge and Half-bridge modules, Booster and NPC converter modules. Vincotech covers a broad power spectrum, ranging from 5A to 450A at 600V and 1200V.

- ✓ 40 Years Experience in the Market
- ✓ Formerly Siemens Company
- ✓ European Design & Manufacture
- ✓ Many Benefits include Low Loss Products, compact designs and Best in class Efficiencies (at High Frequencies)
- ✓ Customised Topologies
- ✓ PIM, Solar, Half Bridge, Six Pack, PFC, H Bridge, Rectifier, Booster & NPC
- ✓ Ratings to 1700V & 600A




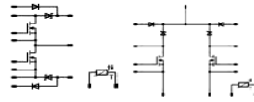

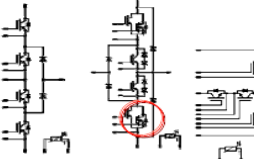

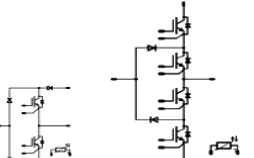


New Press fit contacts Alongside standard solder-pin connection technology, **Vincotech** also offers new **press-fit technology** or the innovative **phase change material**.

- ✓ New Innovations (Thick film IPM, Low inductive IPM)
- ✓ Easy to work with Vincotech offer new design tools, the Vincotech ISE – is the new Integrated Simulation Environment - is available to help you select the right power module for your application. Simply download the software to choose the right Vincotech option that meets your needs!

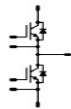
www.vincotech.com



Product Overview – Solar & UPS

Power (20kHz)	Package	Topology	Schematics
10..20kW	flow0 	Dual booster & // booster IGBT + CoolMOS + SiC 900 & 1200V // boosts 900 V H bridge P628-F64	
3 x 5..15kW	3x flow0 	3 level NPC inverter IGBT + CoolMOS + SiC "FZ06N...": 600V/ 30 to 75A reactive power, // switch versions FZ12NM080SH : mixed V 1200V/80A	
3 x 20..25kW	3x flow1 	3 level NPC inverter "F106NIA1x0SA": 600V / 100 & 150A	
3 x 40..70kW	3x flow2 	3 level NPC inverter IGBT3 "F206NIAxxxxxy": 600V / 200 & 300A Symmetrical Boost: F206NBA300SA	

View inductance flow0 1/2 bridges for motor drive, solar inverters, welding...



2-clip in 12/17mm Flow0
Al203 / AlN (hi performance)
Optionnal pressfit

description	P kW	F kHz	target market
1200V : 50A / 75A / 100A / 150A	15..30	0..16	Welding, drives
fast 1200V /100A Phantom Speed IGBT up to 30kHz	20	8..30	Welding, drives, solar
600V : 75A / 100A / 150A / 200A	10..20	0..25	Welding, drives, EV

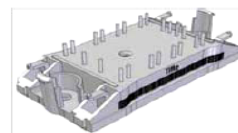
600V	P993-Fxx	IGBT3 75A
	P994-Fxx	IGBT3 100A
	P995-Fxx	IGBT3 150A
	P996-Fxx	IGBT3 200A

1200V	P997-Fxx	IGBT4 50A	Al2O3/ high performance (AlN)
	P998-Fxx	IGBT4 75A	
	P999-Fxx	IGBT4 100A	
	P990-Fxx	IGBT4 150A	
	P999-F28/29	Phantom Speed IGBT 100A	high speed
	P999-F38/39	Phantom Speed IGBT 100A	high speed + high performance (AlN)

Interleaved PFC for UPS, chargers, welding, drives, SMPS

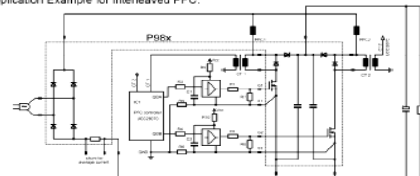
>16 new designs for 4 to 8 kW output power @ 230V for paralleled, interleaved or bridgeless switch mode

- Dual boost circuits, switched @ 20-400kHz
- Interface for Open Collector/ Open Emitter current transformer
- MOS-FET, IGBT or new Parallel Switch
- Hyper fast FRED or SiC rectifier
- Low inductive bypass at turn off
- Ultra low inductive with integrated DC-capac
- Shunt resistor, t° sensor



flow0 housing
12 x 66 x 33mm

Application Example for interleaved PFC:



FZ062TA099FHxx	P980-Dxx	CP MosFet+SiC 99 mQ	4 to 5kW /100 -200kHz
FZ062UA032FPxx	P981-Dx8	CP MosFet //PT IGBT+StealthII 165 mQ//45A	7kW / 40 - 100kHz
FZ062UA040FPxx	P982-Dx8	CP MosFet // PT IGBT+SiC 165 mQ // 45A	8kW / 50 - 200kHz
FZ062TA030FBxx	P983-Dx8	Hi Speed IGBT2+ Stealth II 30A	7kW / 20 - 50kHz
FZ062TA040FBxx	P984-Dxx	Hi Speed IGBT2 + Stealth II 50A	8kW / 20 - 50kHz