

WEPOWER TECHNOLOGY CO., LTD



Company

WEPOWER TECHNOLOGY CO., LTD was founded in March, 2011. Its former name is Pacemaker Technology. It is a high tech company which is mainly pursuing research and development for technologies and products of Power Electronics. Its main products includes high power IGBT intelligent modules driver and DC/DC high temperature power modules and high power frequency converter and other industrial energy-saving products.



WEPOWER succeed to introduce series product of high power IGBT intelligent driver modules based on the latest technology innovation and with ownership of Intellectual property rights and Patents for them. It also won the Bronze Prize awarded by the National Exhibition of Inventions in 2009. And its high power IGBT intelligent driver modules won

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the support of "technology project" by National Ministry of Science. Now WEPOWER is not only offering the industrial level products, but also high end products for automobile level and military level.

At moment WEPOWER releases series of high power IGBT intelligent driver modules and they are mainly used for the driver control system for high power capacity IGBT modules below 1700V/3600A. Since using the technology of core-less isolation, the signal input delay time is less than 300ns and the highest driver frequency can reach 500KHZ or above 500KHZ. They are widely used for many kinds of Inverters/Converters and induction heating machines and power conversion equipments.

Based on a good cooperation with KUST (Kunming University of Science and Technology), WEPOWER enjoys a strong technical support in innovation and creation. WEPOWER have obtained its own independent patent in China.



Main applications

- *Traction
- *Railroad Power
- *EV Control System
- *Power Engineering
- *Inverters & Converters
- *Motor Drive Technology
- *Induction Heating Machine
- *UPS Power Converting
- *Switched-Mode Power Supplies
- *Radiology and Laser Technology
- *RF Generators and Converters
- *Renewable Energy System (Wind-Power, Solar-Power)
- *Weapon Equipage



Products Highlights

- * Compatible with branded IGBT drivers
- * Temperature Range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- * Latest Technology Adapting
- * Smart and Economic
- * Easy to use

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1、PID932

PID932 is a single channel high power IGBT intelligent module driver.

Drive capacity is 9W/±32A/1700V

Main Technical Data



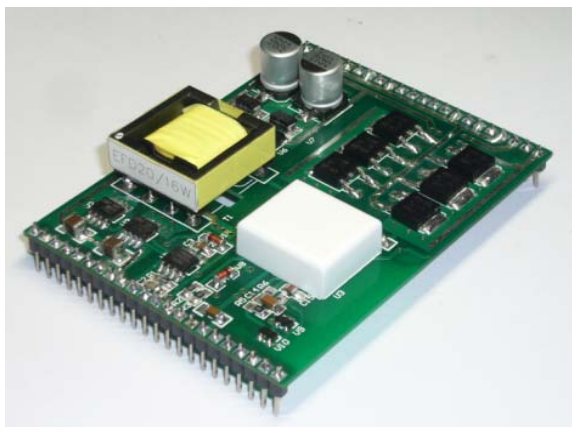
Index	Value	Unit
Driver Channel No.	1	
IGBT Blocking Voltage V_{CE}	1700	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-10	V
Driver Power	9	W
Driver Current	±32	A
Signal Delay Time	250	ns
Weight	20	g
Operation Temperature	-55°C ~ +125°C	

2、PID1548

PID1548 is a single channel high power IGBT intelligent module driver.

Driver capacity is 15W/±48A/1700V.

Main Technical Data



Index	Value	Unit
Driver Channel No.	1	
IGBT Blocking Voltage V_{CE}	1700	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-10	V
Driver Power	15	W
Driver Current	±48	A
Signal Delay Time	250	ns
Weight	32	g
Operation Temperature	-55°C ~ +125°C	

3、2PD316

2PD316 is a dual channel high power IGBT intelligent module driver.

Driver capacity is 2*3W/±16A/1700V

Main Technical Data



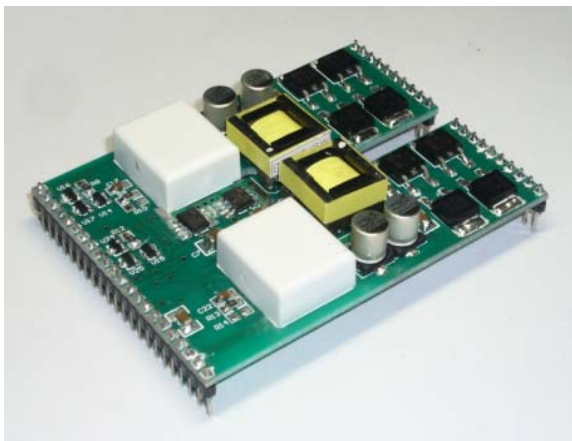
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Driver Channel No.	2	
IGBT Blocking Voltage V_{CE}	1700	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-10	V
Driver Power	2*3	W
Driver Current	±16	A
Signal Delay Time	250	ns
Weight	30	g
Operation Temperature	-55°C ~ +125°C	

4、2PD632

2PD632 is a dual channel high power IGBT intelligent module driver.

Driver capacity is 2*6W/±32A/1700V

Main Technical Data



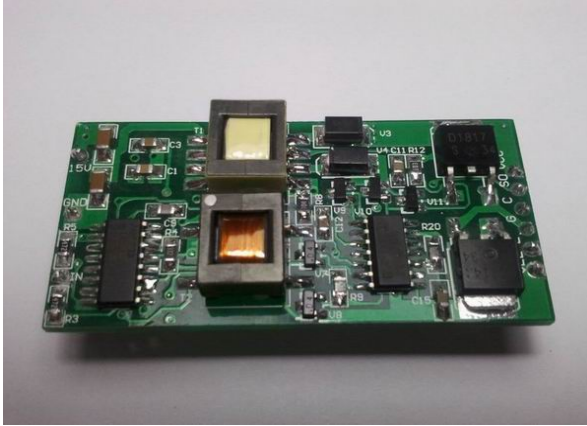
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Driver Channel No.	2	
IGBT Blocking Voltage V_{CE}	1700	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-10	V
Driver Power	2*6	W
Driver Current	±32	A
Signal Delay Time	250	ns
Weight	35	g
Operation Temperature	-55°C ~ +125°C	

5、PIDS310

PIDS310 is a single channel high power IGBT module driver.

Driver capacity is 3W/±10A/1700V

Main Technical Data



Index	Value	Unit
Driver Channel No.	1	
IGBT Blocking Voltage V_{CE}	1700	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-10	V
Driver Power	3	W
Driver Current	±10	A
Signal Delay Time	700	ns
Weight	12	g
Operation Temperature	-55°C ~ +125°C	

6、PMD310

PMDS10 is a single channel high power MOSFET module driver. Used for EV control system.

Driver capacity is 3W/±10A/1700V

Main Technical Data



Index	Value	Unit
Driver Channel No.	1	
MOSFET Blocking Voltage V_{DS}	1700	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-10	V
Driver Power	3	W
Driver Current	±10	A
Signal Delay Time	700	ns
Weight	9	g
Operation Temperature	-55°C ~ +125°C	

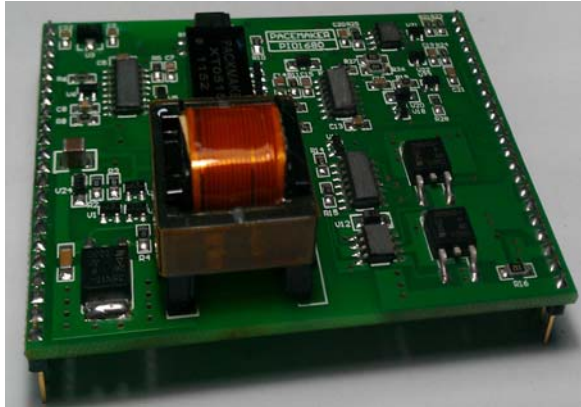
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7、PID1680

PID1680 is a single channel high power IGBT module driver.

Driver capacity is 16W/80A/1700V

Main Technical Data



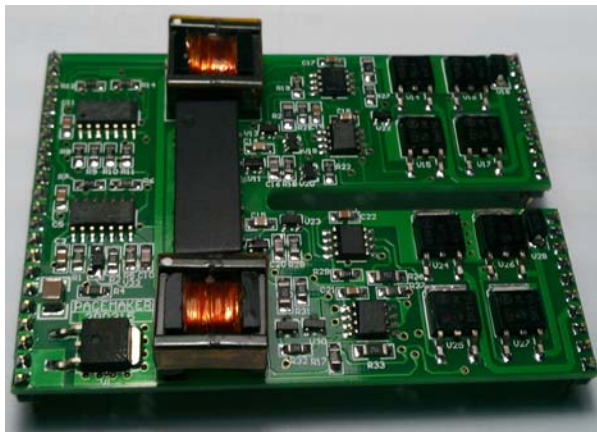
Index	Value	Unit
Driver Channel No.	1	
IGBT Blocking Voltage V_{CE}	1700	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-15	V
Driver Power	16	W
Driver Current	80	A
Signal Delay Time	250	ns
Weight	36	g
Operation Temperature	-55°C ~ +125°C	

8、2PD315

2PD315 is a dual channel high power IGBT module driver.

Driver capacity is 3W/±16A/1700V

Main Technical Data



Index	Value	Unit
Driver Channel No.	2	
IGBT Blocking Voltage V_{DS}	1700	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-15	V
Driver Power	2*4	W
Driver Current	±16	A
Signal Delay Time	220	ns
Weight	30	g
Operation Temperature	-55°C ~ +125°C	

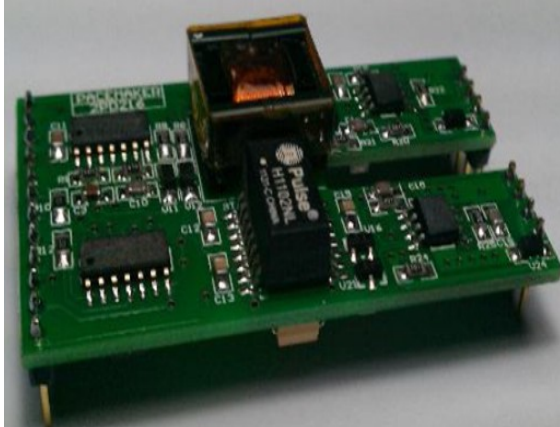
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9、2PD216

2PD216 is a dual channel high power IGBT module driver.

Driver capacity is 2W/±16A/650V

Main Technical Data



Index	Value	Unit
Driver Channel No.	2	
IGBT Blocking Voltage V_{DS}	650	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-5	V
Driver Power	2*2	W
Driver Current	±16	A
Signal Delay Time	500	ns
Weight	13	g
Operation Temperature	-55°C ~ +125°C	

10、PHD515-33

PHD515-33 is a single channel high power IGBT module driver.

Driver capacity is 6W/16A/3500V

Main Technical Data



Index	Value	Unit
Driver Channel No.	1	
IGBT Blocking Voltage V_{CE}	3500	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-15	V
Driver Power	6	W
Driver Current	±16A	A
Signal Delay Time	300	ns
Weight	48	g
Operation Temperature	-55°C ~ +125°C	

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11、PHD1032-65

PHD1032-65 is a single channel high power IGBT module driver.

Driver capacity is 10W/±32A/6500V

Main Technical Data



Index	Value	Unit
Driver Channel No.	1	
IGBT Blocking Voltage V_{DS}	6500	V
Input Voltage	15	V
Input Signal Voltage	15/0	V
Gate turn-on Voltage	+15	V
Gate turn-off Voltage	-15	V
Driver Power	10	W
Driver Current	±32	A
Signal Delay Time	300	ns
Weight	60	g
Operation Temperature	-55°C ~ +125°C	



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Notice:

For detail technical information please refer to the datasheet on www.wepowertech.com