

Programmable DC Electronic Load

PEL-9000S Series



Features

- Voltage: 0-150V; Maximum current: 1500A
- Power: 1.2KW-40KW
- Four static loading modes: constant voltage, constant current, constant resistance and constant power
- High-speed dynamic load, up to 20KHz
- Arbitrary load waveform simulation function
- Low-voltage and high-current operating characteristics.
- Battery discharge simulation and discharge time measurement function
- Fast OCP test function
- Programmable switching of multiple groups of loads
- High precision voltage, current and power measurement
- ARM control technology, fast communication speed
- Compatible with communication instructions of many similar products, and system integration is simpler
- With overvoltage, overcurrent, over-power, over-temperature and reverse protection functions
- RS-232C/GPIB communication interface (optional)

Standard RS-232C SYNC Output

Model selection table of 150V series products

Model	Voltage	Current	Power
PEL-9150S1212	0-150V	120A	1200W
PEL-9150S1818	0-150V	180A	1800W
PEL-9150S2424	0-150V	240A	2400W
PEL-9150S3030	0-150V	300A	3000W
PEL-9150S6060	0-150V	600A	6000W
PEL-9150S9090	0-150V	900A	9000W
PEL-9150S120120	0-150V	1200A	12KW
PEL-9150S150150	0-150V	1500A	15KW
PEL-9150S180120	0-150V	1200A	18KW
PEL-9150S240120	0-150V	1200A	24KW
PEL-9150S300120	0-150V	1200A	30KW
PEL-9150S400120	0-150V	1200A	40KW

Model selection table of 600V series products

Model	Voltage	Current	Power
PEL-9600S124.8	0-600V	48A	1200W
PEL-9600S187.2	0-600V	72A	1800W
PEL-9600S249.6	0-600V	96A	2400W
PEL-9600S3012	0-600V	120A	3000W
PEL-9600S6024	0-600V	240A	6000W
PEL-9600S9036	0-600V	360A	9000W
PEL-9600S12048	0-600V	480A	12KW
PEL-9600S15060	0-600V	600A	15KW
PEL-9600S18072	0-600V	720A	18KW
PEL-9600S24096	0-600V	960A	24KW
PEL-9600S300120	0-600V	1200A	30KW
PEL-9600S400120	0-600V	1200A	40KW

Model selection table of 800V series products

Model	Voltage	Current	Power
PEL-9800S124.8	0-800V	48A	1200W
PEL-9800S187.2	0-800V	72A	1800W
PEL-9800S249.6	0-800V	96A	2400W
PEL-9800S3012	0-800V	120A	3000W
PEL-9800S6024	0-800V	240A	6000W
PEL-9800S9036	0-800V	360A	9000W
PEL-9800S12048	0-800V	480A	12KW
PEL-9800S15060	0-800V	600A	15KW
PEL-9800S18072	0-800V	720A	18KW
PEL-9800S24096	0-800V	960A	24KW
PEL-9800S300120	0-800V	1200A	30KW
PEL-9800S400120	0-800V	1200A	40KW

Model selection table of 1200V series products

Model	Voltage	Current	Power
PEL-91200S3012	0-1200V	120A	3000W
PEL-91200S6024	0-1200V	240A	6000W
PEL-91200S9036	0-1200V	360A	9000W
PEL-91200S12048	0-1200V	480A	12KW
PEL-91200S15060	0-1200V	600A	15KW
PEL-91200S18072	0-1200V	720A	18KW
PEL-91200S24096	0-1200V	960A	24KW
PEL-91200S300120	0-1200V	1200A	30KW
PEL-91200S400120	0-1200V	1200A	40KW

Programmable DC Electronic Load

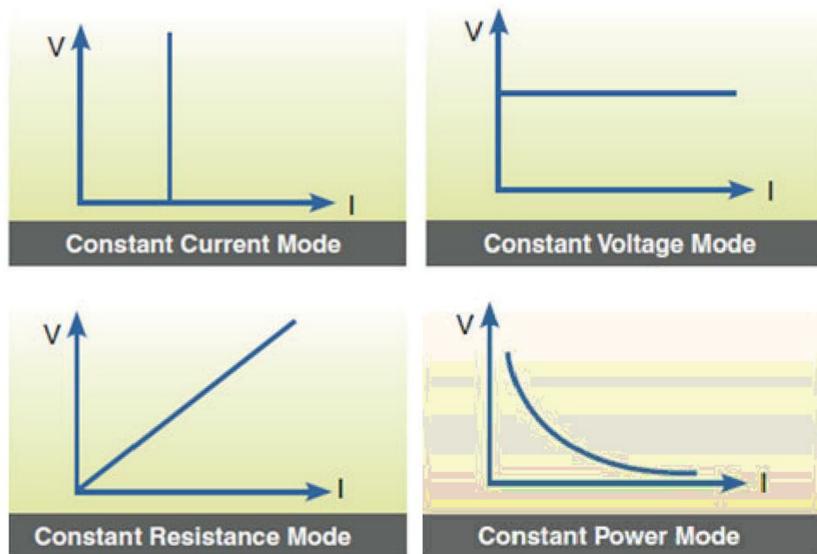
PEL-9000S Series

Details

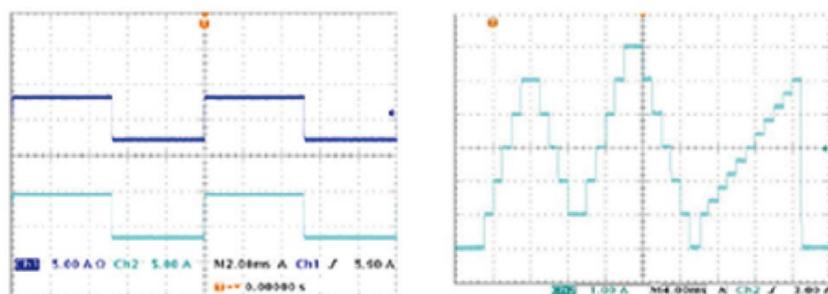
PEL-9150S series electronic load is a special precision instrument used to simulate the load change of low-voltage and high-power products. It can be applied to load simulation of high-power switching power supply, power supply equipment, power battery pack and electronic component test. The multiple functions of this series of products provide a complete solution for testing high-power power supply and electronic products.

PEL-9150S series electronic load has multiple models to facilitate engineers and technicians to select the most suitable load equipment. The load power is from 1.2KW to 40KW, the load current is up to 1500A, and the working voltage is 0-150V, which can be used for testing various low-voltage and high-power electronic products.

PEL-9150S series load provides four static loading modes: constant current mode (CC) and constant resistance mode (CR) are applicable to load simulation of traditional switching power supply, constant voltage mode (CV) is applicable to load simulation of battery charger and constant current output power supply, and constant power mode (CP) can be used as load simulation of power battery pack and energy storage device.

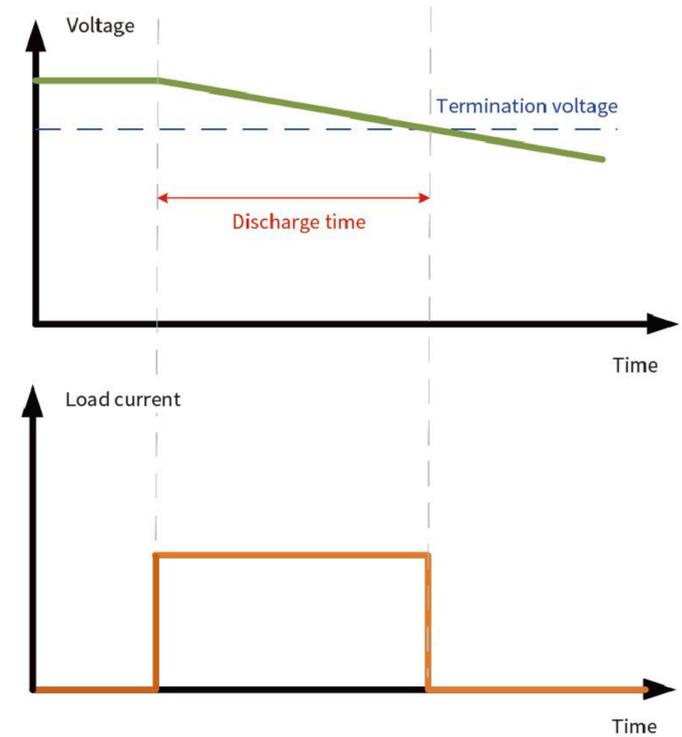


PEL-9150S series electronic load can not only simulate high-speed dynamic load changes with a frequency of up to 20KHz, but also simulate more stringent dynamic load changes, such as ladder load changes, pulse load changes, etc. It can also test the load characteristics of the tested products.



PEL-9150S series electronic load has 1000 sets of data storage capacity, and can be programmed to automatically run multiple sets of load switching; With 16-bit A/D conversion chip, it has high-precision voltage and current detection, and all data are displayed on the 5" TFT color screen. RS-232C interface is equipped as standard, and GPIB remote control interface is optional to facilitate system integration.

PEL-9150S series electronic load can also be used to simulate the discharge of power battery. Set the size of the battery discharge load and use the constant power (CP) load mode to simulate the battery discharge characteristics. The cut-off discharge voltage of the battery is measured through the accurate measurement circuit, and the time required for the battery to discharge to the cut-off voltage point is calculated.



PEL-9150S series electronic load provides software calibration function, making daily maintenance easier. It also has OP, OV, OC, OT and positive-negative reverse alarm functions to ensure more stable and safe operation of the product. It is a reliable product for engineering test and automatic test system integration.

Programmable DC Electronic Load

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Programmable DC Electronic Load

Model	PEL-9150S1212		PEL-9150S1818		PEL-9150S2424	
Power	120W	1200W	180W	1800W	240W	2400W
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Current Range	0-12A	0-120A	0-18A	0-180A	0-24A	0-240A
CC Mode						
Range	0-12A	0-120A	0-18A	0-180A	0-24A	0-240A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.025Ω ~ 250Ω	0.1Ω ~ 5KΩ	0.0175Ω ~ 175Ω	0.07Ω ~ 3.5KΩ	0.0125Ω ~ 125Ω	0.05Ω ~ 2.5KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	2.5mA-0.5A/uS	25mA-5A/uS	4mA-0.8A/uS	40mA-8A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-18A	0-180A	0-24A	0-240A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		180A		240A	
Size (W*H*D) mm	425 X 175 X 640		425 X 175 X 640		425 X 175 X 640	
Weight (Kg)	20		24		28	

Model	PEL-9150S3030		PEL-9150S6060		PEL-9150S9090	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Current Range	0-30A	0-300A	0-60A	0-600A	0-90A	0-900A
CC Mode						
Range	0-30A	0-300A	0-60A	0-600A	0-90A	0-900A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.01Ω ~ 100Ω	0.04Ω ~ 2KΩ	0.005Ω ~ 50Ω	0.02Ω ~ 1KΩ	0.004Ω ~ 35Ω	0.015Ω ~ 700Ω
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-600W	0-6000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	5mA-1A/uS	50mA-10A/uS	10mA-2A/uS	0.1A-20A/uS	14mA-2.8A/uS	0.14A-28A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-30A	0-300A	0-60A	0-600A	0-90A	0-900A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-600W	0-6000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	300A		600A		900A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

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Model	PEL-9150S120120		PEL-9150S150150		PEL-9150S180120	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Current Range	0-120A	0-1200A	0-150A	0-1500A	0-120A	0-1200A
CC Mode						
Range	0-120A	0-1200A	0-150A	0-1500A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.0025Ω ~ 25Ω	0.01Ω ~ 500Ω	0.002Ω ~ 20Ω	0.008Ω ~ 400Ω	0.0025Ω ~ 25Ω	0.01Ω ~ 500Ω
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	20mA-4A/uS	0.2A-40A/uS	25mA-5A/uS	0.25A-50A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-120A	0-1200A	0-150A	0-1500A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	1200A		1500A		1200A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X1165 X 720	
Weight (Kg)	153		202		242	

Model	PEL-9150S240120		PEL-9150S300120		PEL-9150S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Current Range	0-120A	0-1200A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-120A	0-1200A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.0025Ω ~ 25Ω	0.01Ω ~ 500Ω	0.0025Ω ~ 25Ω	0.01Ω ~ 500Ω	0.0025Ω ~ 25Ω	0.01Ω ~ 500Ω
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-120A	0-1200A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	1200A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X1520 X 720		880X1680 X 720	
Weight (Kg)	316		400		496	

Programmable DC Electronic Load

PEL-9000S Series

PEL-9000S Series

Programmable DC Electronic Load

Model	PEL-9600S124.8		PEL-9600S187.2		PEL-9600S249.6	
Power	120W	1200W	180W	1800W	240W	2400W
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
CC Mode						
Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.4Ω ~ 4KΩ	17.5Ω ~ 8KΩ	0.26Ω ~ 2.8KΩ	11Ω ~ 8KΩ	0.2Ω ~ 2KΩ	8.75Ω ~ 8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	0.8mA-160mA/uS	8mA-1.6A/uS	1.2mA-240mA/uS	12mA-2.4A/uS	1.6mA-320mA/uS	16mA-3.2A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	48A		72A		96A	
Size (W*H*D) mm	425 X 175 X 640		425 X 175 X 640		425 X 175 X 640	
Weight (Kg)	20		24		28	

Model	PEL-9600S3012		PEL-9600S6024		PEL-9600S9036	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
CC Mode						
Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.16Ω ~ 1.7KΩ	7Ω ~ 8KΩ	0.08Ω ~ 850Ω	3.5Ω ~ 7KΩ	0.055Ω ~ 500Ω	2.3Ω ~ 4.5KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-600W	0-6000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	4mA-0.8A/uS	40mA-8A/uS	6mA-1.2A/uS	60mA-12A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-600W	0-6000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		240A		360A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Programmable DC Electronic Load

PEL-9000S Series

Model	PEL-9600S12048		PEL-9600S15060		PEL-9600S18072	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
CC Mode						
Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.04Ω ~ 425Ω	1.75Ω ~ 3.5KΩ	0.032Ω ~ 340Ω	1.4Ω ~ 2.8KΩ	0.026Ω ~ 285Ω	1.16Ω ~ 2.3KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	8mA-1.6A/uS	80mA-16A/uS	10mA-2A/uS	0.1A-20A/uS	12mA-2.4A/uS	0.12A-24A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	480A		600A		720A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X 1165 X 720	
Weight (Kg)	153		202		242	

Model	PEL-9600S24096		PEL-9600S300120		PEL-9600S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.02Ω ~ 210Ω	0.875Ω ~ 1.7KΩ	0.016Ω ~ 170Ω	0.7Ω ~ 1.4KΩ	0.016Ω ~ 170Ω	0.7Ω ~ 1.4KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	16mA-3.2A/uS	0.16A-32A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	960A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X 1520 X 720		880 X 1680 X 720	
Weight (Kg)	316		400		496	

Programmable DC Electronic Load

PEL-9000S Series

PEL-9000S Series

Programmable DC Electronic Load

Model	PEL-9800S124.8		PEL-9800S187.2		PEL-9800S249.6	
Power	120W	1200W	180W	1800W	240W	2400W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
CC Mode						
Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.4Ω ~ 4KΩ	17.5Ω ~ 8KΩ	0.26Ω ~ 2.8KΩ	11Ω ~ 8KΩ	0.2Ω ~ 2KΩ	8.75Ω ~ 8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	0.8mA-160mA/uS	8mA-1.6A/uS	1.2mA-240mA/uS	12mA-2.4A/uS	1.6mA-320mA/uS	16mA-3.2A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	48A		72A		96A	
Size (W*H*D) mm	425 X 175 X 640		425 X 175 X 640		425 X 175 X 640	
Weight (Kg)	20		24		28	

Model	PEL-9800S3012		PEL-9800S6024		PEL-9800S9036	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
CC Mode						
Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.16Ω ~ 1.7KΩ	7Ω ~ 8KΩ	0.08Ω ~ 850Ω	3.5Ω ~ 7KΩ	0.055Ω ~ 500Ω	2.3Ω ~ 4.5KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-800W	0-8000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	4mA-0.8A/uS	40mA-8A/uS	6mA-1.2A/uS	60mA-12A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-800W	0-8000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		240A		360A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Programmable DC Electronic Load

PEL-9000S Series

Model	PEL-9800S12048		PEL-9800S15060		PEL-9800S18072	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
CC Mode						
Range	0-48A	0-480A	0-80A	0-800A	0-72A	0-720A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.04Ω ~ 425Ω	1.75Ω ~ 3.5KΩ	0.032Ω ~ 340Ω	1.4Ω ~ 2.8KΩ	0.026Ω ~ 285Ω	1.16Ω ~ 2.3KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	8mA-1.6A/uS	80mA-16A/uS	10mA-2A/uS	0.1A-20A/uS	12mA-2.4A/uS	0.12A-24A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-48A	0-480A	0-80A	0-800A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	480A		600A		720A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X 1165 X 720	
Weight (Kg)	153		202		242	

Model	PEL-9800S24096		PEL-9800S300120		PEL-9800S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.02Ω ~ 210Ω	0.875Ω ~ 1.7KΩ	0.016Ω ~ 170Ω	0.7Ω ~ 1.4KΩ	0.016Ω ~ 170Ω	0.7Ω ~ 1.4KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	16mA-3.2A/uS	0.16A-32A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	960A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X 1520 X 720		880 X 1680 X 720	
Weight (Kg)	316		400		496	

Programmable DC Electronic Load

PEL-9000S Series

PEL-9000S Series

Programmable DC Electronic Load

Model	PEL-91200S3012		PEL-91200S6024		PEL-91200S9036	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
CC Mode						
Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.32Ω ~ 3.4KΩ	14Ω ~ 8KΩ	0.16Ω ~ 1.7KΩ	7Ω ~ 8KΩ	0.11Ω ~ 1KΩ	4.6Ω ~ 8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-1200W	0-12000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	4mA-0.8A/uS	40mA-8A/uS	6mA-1.2A/uS	60mA-12A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-1200W	0-12000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		240A		360A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Model	PEL-91200S12048		PEL-91200S15060		PEL-91200S18072	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
CC Mode						
Range	0-48A	0-480A	0-120A	0-1200A	0-72A	0-720A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.08Ω ~ 850Ω	3.5Ω ~ 7KΩ	0.064Ω ~ 680Ω	2.8Ω ~ 5.6KΩ	0.052Ω ~ 570Ω	2.32Ω ~ 4.6KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	8mA-1.6A/uS	80mA-16A/uS	10mA-2A/uS	0.1A-20A/uS	12mA-2.4A/uS	0.12A-24A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-48A	0-480A	0-120A	0-1200A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	480A		600A		720A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X 1165 X 720	
Weight (Kg)	153		202		242	

Programmable DC Electronic Load

PEL-9000S Series

Model	PEL-91200S24096		PEL-91200S300120		PEL-91200S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.04Ω ~ 420Ω	1.75Ω ~ 3.4KΩ	0.032Ω ~ 340Ω	1.4Ω ~ 2.8KΩ	0.032Ω ~ 340Ω	1.4Ω ~ 2.8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS		Vin/Rset*(0.2%)+0.2%IFS	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	16mA-3.2A/uS	0.16A-32A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function	Measure Function		Measure Function		Measure Function	
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	960A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X 1520 X 720		880X1680 X 720	
Weight (Kg)	316		400		496	