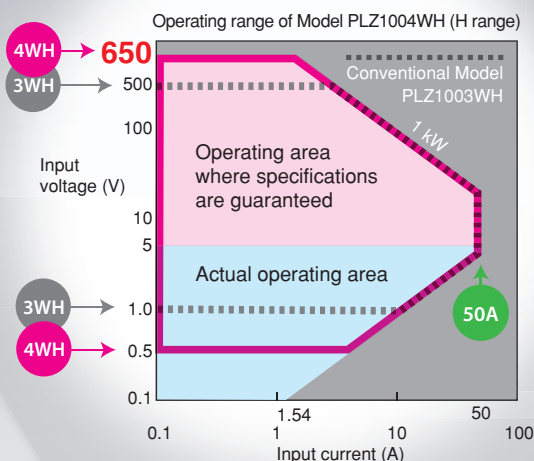


# High-Voltage Electronic Load 650V

All new design with upgraded performance!

For testing High-voltage converters of EV, HEV applications!  
Cost saving for the extended capacity of system using booster units!

## Extended operating range!



Expandable system up to  
**9 kW / 450A**  
by connecting  
booster units\*

\*exclusively used for Model PLZ1004WH



▲ Example of 3kW system configured by Model PLZ1004WH (upper unit) and Booster unit Model PLZ2004WHB (lower units)

Voltage Monitor terminal for monitoring high-voltage

**3 ranges** of setting resolution  
Equipped with L range (1/100)

● Current setting resolution

	PLZ164WH	PLZ334WH	PLZ1004WH
H	300 $\mu$ A	1mA	2mA
M	30 $\mu$ A	100 $\mu$ A	200 $\mu$ A
L	3 $\mu$ A	10 $\mu$ A	20 $\mu$ A

In addition to CC, CR mode  
**5 levels** of response setting for CV mode

## Sequence function

Capable of program up to 1024 steps

Optional software **Wavy** makes your operation easier

The application software supporting the sequence operation (option)

Equipped with **USB, GPIB RS232C** interface as standard features



DC ELECTRONIC LOAD **NEW**

# Multi-functional Electronic Load PLZ-4WH Series

4 model

The PLZ-4WH Series Electronic Load is a multifunctional system designed to offer the highest levels of reliability and safety. The electronic load contains a stable and high performance current-control circuit that enables high-speed load simulations with maximum operating voltage of 650V. In addition, its CPU control feature works to improve operability and multifunctional capability. The high-precision current settings provide you with sufficient resolution. The PLZ4WH comes standard with GPIB, RS232C, and USB communication functions, that can be easily incorporated into a wide range of test and inspection systems.

■ Product line-up

Model	Operating voltage	Current	Power
PLZ164WH	5V ~ 650V	8.25A	165W
PLZ334WH		16.5A	330W
PLZ1004WH		50A	1000W
PLZ2004WHB		100A	2000W

[Other features]

- Over-Voltage Protection (OVP) ● Over-Current Protection (OCP) ● Over-Power Protection (OPP) ● Over-Heat Protection (OHP) ● Under-Voltage Protection (UVP) ● Reverse Connection Protection (REV) ● Adjustable Slew Rate ● Switching Operation ● Soft Start function ● Elapsed Time Display ● Auto load-off timer ● Remote sensing ● External load on/off control input ● External range switching input ● External trigger input ● External alarm input ● Alarm status output ● Load-on status output ● Range status output ● Short signal ● External voltage control (CC,CR,CV,CP mode) ● External resistance control (CC,CR,CV,CP mode) ● Current monitor output ● Voltage monitor output

# The Large scale system can be achieved at low cost and saving space.

## ■ Booster unit model PLZ2004WHB

To achieve the large scale test system at low cost, the booster unit Model PLZ2004WHB is available to combine with Model PLZ-1004WH\*. The configuration of the system consists of Model PLZ1004WH as a master unit and up to 4units of the booster unit (PLZ2004WHB) as slave units connected in parallel operation. (Max. 9kW, 450A)

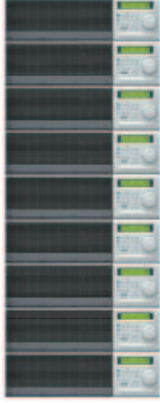


### [Specifications]


Operating Voltage .....5V to 650V  
 Current.....100A  
 Power.....2000W  
 Input Voltage .....AC100V to 240V (AC90V to 250V)  
 single phase, continuous  
 Power Consumption.....200VA(max)  
 Dimensions.....430W×173 (190) H×550 (590) Dmm  
 Weight.....approx.24kg

\*Exclusively used for Model PLZ1004WH. It can not be used to connect any other model.


In comparison of the conventional model for the maximum 9kW system



Conventional Model  
PLZ-3WH Series  
PLZ1003WHx9



**NEW**  
PLZ-4WH Series  
PLZ1004WH + PLZ2004WHBx4



Approx.  
30%  
of reduced volume

## Specifications

Model	Rating			Constant Current Mode (CC)				Constant Voltage Mode (CV)			
	Operating Voltage	Current	Power	Operating Range			Ripple rms	Operating Range		Resolution	
				Range H	Range M	Range L		Range H	Range L	Range H	Range L
PLZ164WH	5V~650V	8.25A	165W	0~8.6625A	0~866.25mA	0~86.625mA	2mA	0V~682.5V	0V~68.25V	20mV	2mV
PLZ334WH		16.5A	330W	0~17.325A	0~1.7325A	0~173.25mA	4mA				
PLZ1004WH		50A	1000W	0~52.5A	0~5.25A	0~525mA	12mA				

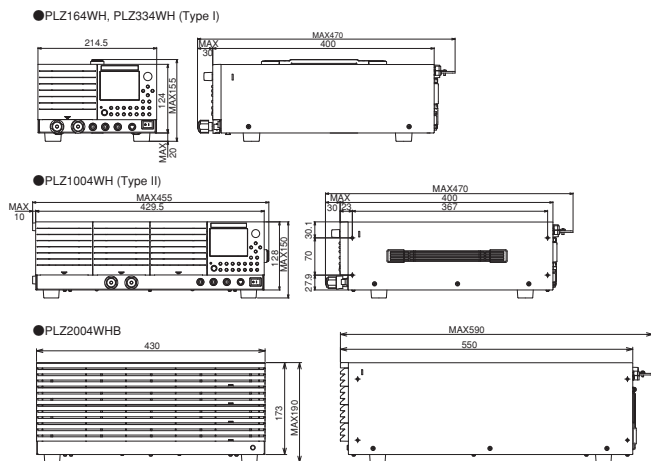
Model	Constant Resistance Mode (CR)			Constant Power Mode (CP)			Weight (Approx.)	Dimensions Type*	Power Consumption (Approx.)
	Operating Range			Operating Range					
	Range H	Range M	Range L	Range H	Range M	Range L			
PLZ164WH	1.7325S~0S	173.25mS~0S	17.325mS~0S	0W~173.25W	0W~17.325W	0W~1.7325W	7kg	I	80VAmax
PLZ334WH	3.465S~0S	346.5mS~0S	34.65mS~0S	0W~346.5W	0W~34.65W	0W~3.465W	8kg	I	90VAmax
PLZ1004WH	10.5S~0S	1.05S~0S	105mS~0S	0W~1050W	0W~105W	0W~10.5W	16kg	II	160VAmax

\*Type I : 214.5W × 124 (155) H × 400 (470) Dmm    Type II : 429.5 (455) W × 128 (150) H × 400 (470) Dmm

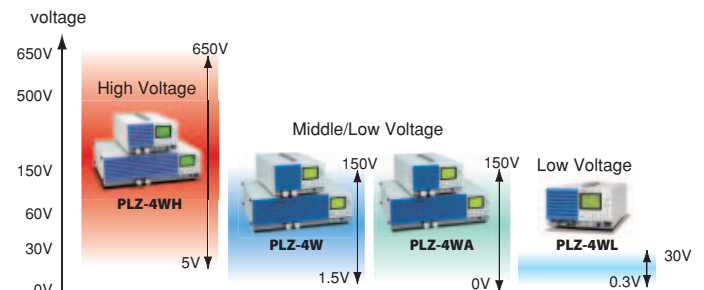
### [Common Specifications]

Switching Operation .....Operation Mode: CC and CR    Soft Start Operation .....Operation Mode: CC  
 Frequency: 1Hz to 4kHz    Setting Range(ms): 1, 2, 5, 10, 20, 50, 100, 200  
 Duty Cycle: 5% to 95%    Input Voltage.....AC 90V to 250V

## ■ Dimensions (unit:mm)



## ■ Electronic Load PLZ-4W Series Selection



### KIKUSUI ELECTRONICS CORPORATION

1-1-3, Higashiyamata, Tsuzuki-ku, Yokohama, 224-0023, Japan  
 Phone: (+81) 45-593-7570, Facsimile: (+81) 45-593-7571, www.kikusui.co.jp

KIKUSUI AMERICA, INC. 1-877-876-2807 www.kikusuiamerica.com

KIKUSUI 530 Lakeside Drive, Suite#180, Sunnyvale, CA 94085, U.S.A.  
 Phone: 408-733-3432 Facsimile: 408-733-1814

KIKUSUI TRADING (SHANGHAI) Co., Ltd. www.kikusui.cn

KIKUSUI Room, D-01, 11F, Majesty Bld, No.138, Pudong Ave, Shanghai City  
 Phone: 021-5887-9067 Facsimile: 021-5887-9069

For our local sales distributors and representatives, please refer to "sales network" of our website.

## ● Distributor/Representative

■ All products contained in this catalogue are equipment and devices that are premised on use under the supervision of qualified personnel, and are not designed or produced for home-use or use by general consumers. ■ Specifications, design and so forth are subject to change without prior notice to improve the quality. ■ Product names and prices are subject to change and production may be discontinued when necessary. ■ Product names, company names and brand names contained in this catalogue represent the respective registered trade name or trade mark. ■ Colors, textures and so forth of photographs shown in this catalogue may differ from actual products due to a limited fidelity in printing. ■ Although every effort has been made to provide the information as accurate as possible for this catalogue, certain details have unavoidably been omitted due to limitations in space. ■ If you find any misprints or errors in this catalogue, it would be appreciated if you would inform us. ■ Please contact our distributors to confirm specifications, price, accessories or anything that may be unclear when placing an order or concluding a purchasing agreement.