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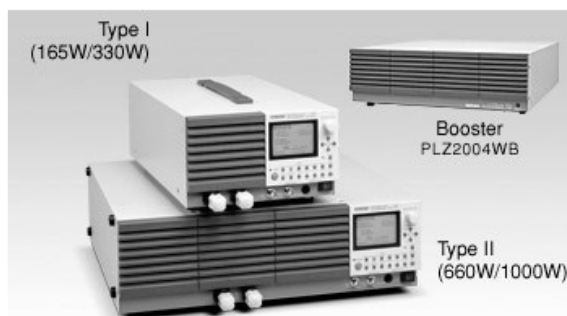
PRODUCTS

PLZ-4W Series

Multifunctional DC Electronic Load (CC/CV/CR/CP/Zero volt input) : 6 Models



All models


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PLZ-4W Series

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Operation Manuals

To download operation manuals (PDF), please use "Operation Manual Database".



The PLZ-4W Series Electronic Load unit is a multifunctional system designed to offer the highest levels of reliability and safety with operation function of constant voltage, constant current, constant power and constant resistance mode. And its control unit comes with GPIB, RS232C and USB as standard equipment, available in 5 models.

A 0(Zero)V input operating voltage is available in 2 models (PLZ164WA, PLZ664WA) which are suitable to meet the testing demands for the Fuel Cell, DC/DC converter, SW Power Supply, and any other devices required for the lower operating voltage application. Model PLZ664WA offers the 132A at 0V input as a largest current rating in its class. (33A for model PLZ164WA)

Furthermore, the PLZ-4W features high speed slew rate when switching, it can be used as simulating load for the characteristic, performance, life cycle, aging test in the field of application in Automobile electronics, SW Power Supply manufacturer, Secondary Battery.

To achieve large capacity for testing application at low cost, PLZ1004W can be expanded up to 9kW by using its 2kW booster unit (PLZ2004WB).

- **High-speed response and variable slew-rate**

With PLZ-4W series, a faster response of rise/fall time as calculated conversion value with 10 μ s is made possible, enabling a transient response test for the direct current and accurate reproduction of a simulation waveform as a dummy load. In addition, it also can be set with a slew rate (A/ μ s). As for the setting value, it can be varied

continuously, and be possible to optimize transient control for voltage drops due to wiring inductance, constant-voltage power supply, etc., when the load current is switched on.

- **0(Zero)V input**

The 164WA and 664WA of PLZ-4W series permit a load input up to the rated current even when the Input Voltage is set for 0(Zero)V.

- **Sequence function**

Sequence patterns set as you requested can be saved in the built-in memory. In the sequence program, 10 normal sequences and 1 first sequence can be saved. 256 steps of normal sequences, and 1024 steps of the first sequence can be saved in each program.

- **Convenient function for discharging test of cells**

The PLZ4W can measure the time from load-on to load-off. When combined with under voltage protection (UVP) function, the time from when the battery discharge is started until the battery voltage falls to the cutoff voltage can be measured. Also, you can set the timer so it will load-off automatically after a specified time elapses from load-on mode. Once this timer is set, the input voltage value immediately before load-off is displayed, so it is possible to measure the closed circuit voltage after a specified time elapses from the start of discharging battery.

- **Booster unit PLZ2004WB**

To achieve a large capacity system at low cost, the PLZ1004W has an expandable option PLZ2004WB as a booster unit. Using 1 PLZ1004W as a master unit, a maximum of 4 booster units can be parallel connected. (Max. 9kW, 1800A) Note: PLZ2004WB(Booster unit) can be used for the PLZ1004W only. It cannot be connected and used with any other model.

- **Parallel operation**

Under parallel operation, the same model can be parallel connected to a maximum of 5 units when booster unit is not used. (Max. 5kW, 1000A)

- **Various Functions**

The PLZ-4W Series has equipped with all the same functions of its former type of the PLZ-3W Series, such as the Soft-start Function, Lock Function, Short Function, ABC Memory Function, Set-up Memory Function, Switching Functions, etc.

- **GPIO, RS-232C, USB as standard equipment**

Model	Specification
PLZ164W	DC Electronic Load (E-Load), 1.5 to 150V, 33A, 165W , Rise time: 10 μ second(which converts to rise and fall times) high-speed response, Possible to perform actual Load simulation by sequence control function, Equipped with USB (Supplied as standard) > Photo > Manual...
PLZ164WA	DC Electronic Load (E-Load), 0 to 150V, 33A, 165W , Rise time: 10 μ s (which converts to rise and fall times) high-speed response, Possible to perform actual Load simulation by sequence control function, Equipped with USB (Supplied as standard) > Photo > Manual...
PLZ334W	DC Electronic Load (E-Load), 1.5 to 150V, 66A,

	330W , Rise time: 10 μ s (which converts to rise and fall times) high-speed response, Possible to perform actual Load simulation by sequence control function, Equipped with USB (Supplied as standard) > Photo > Manual...
PLZ664WA	DC Electronic Load (E-Load), 0 to 150V, 132A, 660W , Rise time: 10 μ s (which converts to rise and fall times) high-speed response, Possible to perform actual Load simulation by sequence control function, Equipped with USB (Supplied as standard) > Photo > Manual...
PLZ1004W	DC Electronic Load (E-Load), 1.5 to 150V, 200A, 1000W , Rise time: 10 μ s (which converts to rise and fall times) high-speed response, Possible to perform actual Load simulation by sequence control function, Equipped with USB (Supplied as standard) > Photo > Manual...
PLZ2004WB	2000W booster unit for model PLZ1004W dc electronic load (E-Load). Using 1 PLZ1004W as a master unit, a maximum of 4 booster units can be parallel connected. (Max. 9kW, 1800A) *PLZ2004WB can be used for the PLZ1004W only. It cannot be connected and used with any other model. > Photo > Manual...

OP01-PLZ-4W

Option(s) for PLZ-4W/4WH series

Accessory Kit for PLZ-4W/4WH series. Used for the connection of J1 Connector on the rear panel when operating by external control. Contents: Connector, Semi-cover, Pin(20 sets)



[+ ZOOM](#)

PC01-PLZ-4W

Option(s) for PLZ-4W/4WH series

The control signal cable for parallel operation (30cm)

*Applicable products:

PLZ-4W series<-->PLZ-4W series

PLZ-4WH series<-->PLZ-4WH series

PLZ2004WB <-->PLZ2004WB

PLZ2004WHB<-->PLZ2004WHB



[+ ZOOM](#)

PC02-PLZ-4W

Option(s) for PLZ-4W/4WH series

The control signal cable for parallel operation(45cm)

*Applicable products:

PLZ1004W <-->PLZ2004WB

PLZ1004WH<-->PLZ2004WHB

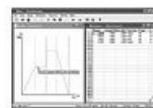


[+ ZOOM](#)

Wavy for PLZ-4W

Sequence Creation Software
Sequence Creation Software for PLZ-4W/4WL/4WH series

More...



408J-101

GPIOB cable
GPIOB cable, length: 1m



408J-102

GPIOB cable
GPIOB cable, length: 2m



408J-104

GPIOB cable
GPIOB cable, length: 4m



KRA3

Rack Adapter
Rack adapter (Inch size) *Applicable series name:
PWR, PAS, PMR, PMP, PAK-A, PMC, PMC-A, PCR500M,
PLZ-4W/4WL/4WH, PLZ-3W/3WH, PIA4800

More...

KRA150

Rack Adapter
Rack adapter (Metric size) *Applicable series name:
PWR, PAS, PMR, PMP, PAK-A, PMC, PMC-A, PCR500M,
PLZ-4W/4WL/4WH, PLZ-3W/3WH, PIA4800

More...

KBP3-2

Blank Panel

Blank panel for KRA3 or150, width:1/2

KBP3-3

Blank Panel

Blank panel for KRA3 or150, width:1/3

KRB3-TOS

Option(s) for Electrical Safety Testers
Bracket (Inch size) for TOS9200, TOS9201,
TOS8870A, PAM(2kW type), PCR1000M, PLZ-4W/4WH,
PWR, PAT, PBZ

[More...](#)

KRB150-TOS

Option(s) for Electrical Safety Testers
Bracket (Metric size) for TOS9200, TOS9201,
TOS8870A, PAM(2kW type), PCR1000M, PLZ-4W/4WH,
PWR, PAT, PBZ

[More...](#)