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PCR-W/W2 Series

High Efficiency AC Power Supplies (CV/CF) : 6 Models



GPIO **RS232C**
OPTION OPTION

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Drivers

 Data sheet

 Operation
Manuals



🔍 Outline

With a primary development concept of improved efficiency and low cost, the PCR-W/W2-Series, regulated AC power supply, features a balance of performance, function, quality, and cost based on the technology and know-how established with the PCR-L Series of products. Specifically, PWM inverter system was used for the power unit, providing the power supply with improved efficiency (by approximately 75 %), low-input current demand, and a considerably downsized and lightweight package design. The PCR-W/W2-Series power supply features a wide input range and high-quality, powerful output (as well as a reduction in low-waveform distortion, and the provision of high response speed and low power-factor load) for worldwide application, and is equipped not only with measurement and output capabilities for AC parameters such as RMS value, peak value, power, and power factor, but also with DC output and AC+DC output modes. With these features, the capabilities of the PCR-W/W2-Series power supply go beyond ordinary AC power supply,

Moreover, with one unit of the PCR-W2-Series product, utilization of both single-phase and three-phase outputs of the same capacity is possible simply by changing the position of the selector switch. This enables the user to eliminate installation of individual single-phase and three-phase systems as had previously been necessary, thus enabling the budget and space to be utilized more efficiently.

🔍 Features

● Low Noise and High Speed

High quality output like that of the linear amplifier system has been achieved: voltage waveform distortion less than 0.5%, voltage response speed of 60 μ s (standard value).

● Measuring Function

Output voltage/current real effective value, peak value, DC mean value, and electric power are displayed on the panel. Using optional accessories, power factor, VA measurement and peak hold current measurement are also possible.

● For Automatic Production Lines

Applicable to GPIB or RS-232C control. The PCR-W Series can be used in automatic production and inspection lines. It is equipped with a voltage-drop sensor, and regulation adjustment functions.

🔍 Lineup

Model	Specification	
PCR2000W	Scheduled to be Discontinued. Single phase 2kVA, AC1 to 300V, 1 to 500.0Hz, DC+/-1.4 to +/-424V, PWM type	📄 Manual...
PCR4000W	Scheduled to be Discontinued. Single phase 4kVA, AC1 to 300V, 1 to 500.0Hz, DC+/-1.4 to +/-424V, PWM type	📄 Manual...
PCR8000W	Single phase 8kVA , AC1 to 300V, 1 to 500.0Hz, DC+/-1.4 to +/-424V, PWM type	📄 Manual...
PCR12000W	Single phase 12kVA , AC1 to 300V, 1 to 500.0Hz, DC+/-1.4 to +/-424V, PWM type	📄 Manual...
PCR6000W2	6kVA, Single phase and 3-phase selectable, AC1 to 300V, 1 to 500.0Hz, DC+/-1.4 to +/-424V, PWM type	📄 Manual...
PCR12000W2	12kVA, Single phase and 3-phase selectable, AC1 to 300V, 1 to 500.0Hz, DC+/-1.4 to +/-424V, PWM type	📄 Manual...

🔍 Options (Related products)

RC02-PCR-L

Option(s) for PCR-L series

Remote controller for PCR-L



IB11

Option(s) for PAX, PBX, PLZ-3W / 3WH, PCR-W / W2

GPIO Interface Board, Applicable series: PAX, PBX, PCR-W/W2, PLZ-3W/3WH



RS11

Option(s) for PAX, PBX, PLZ-3W / 3WH, PCR-W / W2

RS-232C Interface Board, Applicable series: PAX, PBX, PCR-W/W2, PLZ-3W/3WH



408J-101

GPIO cable

GPIO cable, length: 1m



408J-102

GPIO cable

GPIO cable, length: 2m



408J-104

GPIO cable

GPIO cable, length: 4m



KRB8

Bracket

Bracket (Inch size) for PCR1000L(LA)/PCR2000W, support rail (one pair) attached

🔍 More...

Bracket

Bracket (Metric size) for PCR1000L(LA)/PCR2000W, support rail
(one pair) attached

💡 More...

KRB11**Bracket**

Bracket (Inch size) for PCR2000L(LA)/PCR4000W, support rail
(one pair) attached

💡 More...

KRB500**Bracket**

Bracket (Metric size) for PCR2000L(LA)/PCR4000W, support rail
(one pair) attached

💡 More...

Products

- DC Power Supplies
- AC Power Supplies
- Power Supply Controllers
- Electronic Loads
- Electrical Safety Testers
- Battery and Capacitor Testers
- EMC Testers
- Harmonics & Flicker Tester (IEC61000-3-2/3)
- FC (Fuel Cell) Impedance Meters
- Signal Generators
- Test and Measurement
- Software Products
- Rack Mount Accessories
- Custom-made system

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Company-info

- Introduction
- Business fields
- Business concepts (Main products)
- Company Organization and Activities
- MS (Management Systems) Trajectory
- Corporate outline
- History

Affiliate Companies

- KIKUSUI Trading (Shanghai) Co., Ltd. (China)
- Kikusui America, Inc. (U.S.A.)

Solutions in Environmental and New Energy Fields

Products Channel (Movie)

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