Capable of performing simulations of power line abnormalities easily at low cost!



Multifunctional AC Power Supply NEW PCR-LA SERIES

The PCR-LA series is the most advanced, with having polished multifunctional AC power supply device of our best selling AC power supply PCR-L series. By adding new functions and options while carrying over the basic performance from former model, this series is reborn as a safe and reliable model that is much easier to use. As the PCR-LA series comes with not only the basic operating functions of the main body, but also has standard equipment of RS-232C and the dedicated remote control external interface (GPIB is optional), if you have a PC, you can use almost all of the functions of the PCR-LA series. The remote controller (RC03-PCR-LA) is available for "abnormal power line simulation functions", which is the most frequently used in power supply environment testing, it makes possible for you to perform the functions easily, and above all, at a low cost. In addition, by combining the output extension kit (0T01-PCR-LA/2, 0T01-PCR-LA/3, etc.), you can easily build a single phase/single phase three-wire out-put or single phase/three phase configuration system.

With the PCR-LA series' high-quality basic performance and abundance in flexible expandability, apply to the anticipated fields of various applications, in the field of an electric, machinery and chemicals for such power supply environmental testing, immunity testing, or power amplification of the output waveform for arbitrary waveform signal generators.

- High-quality/high-stability output with a highspeed linear amp
- Equipped with various measuring functions
- Offering also DC Outputs
- Come with The RS-232C and remote control interface are standard equipment
- Switching the configuration of single phase/ single phase three-wire out-put, single phase/ three phase easily (option)
- Compatible with external signal input, possible to operate as a power amp (option/ under development)
- Low frequency immunity test software (option/under development)



System Upgrades

By employing the available options for the PCR-LA series, it can be developed into diverse systems.

In addition to the following examples, the system can be built with a variety of combinations.

For details, please inquire at our sales department.

[NOTICE] To users of the PCR-L Series

The PCR-LA series is not compatible with the previous product, the PCR-L Series. Consequently, it is not possible to perform parallel operations by such a combination, nor is it possible to upgrade a system if it includes a prior PCR-L series in the system, as shown in the figure below. Further, along with this, in principle options cannot be used, with some exceptions. Please be condisidered of this notice for your planning of future system.

If you have any other questions, please contact our sales department for details.



Single phase/Single phase Three-wire output Switching





Specifications (Provisional Edition)

Input migr (AC miss value) ID 30 V V V V V V V V V V V V V V V V V V	Model name			PCR500LA	PCR1000LA	PCR2000LA	PCR4000LA	PCR6000LA		
Value Uniteding Product Values and part 100 VX20 V) (**) Effect VX VX Represe XVX Apprese XVXX Apprese XVX Apprese XVX <td>Input rating (A</td> <td>C rms values)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Input rating (A	C rms values)								
Number of phases, frequency Apparent Jow Single phase, 17 kt to 83 kt Apparent Jow Apparent Jow Control (fine value) range, 100 V200 V) 12 A/8 A or less 24 A/12 A or less 26 A/12 A or less 72 A or less Output range, AC mode (AC may wakes) 12 A/8 A or less 24 A/12 A or less 26 A/12 A or less 72 A or less Output range, AC mode (AC may wakes) 10 150 V20 to 300 V = (0.15 < 0.02 A/10 A	Voltage (input	voltage range of	f 100 V/200 V) (*1)	85 to132 V/170 to 250 V 170 to 250 V						
Approx TWA Approx. 1V/A Approx. 1V/A <t< td=""><td colspan="3">Number of phases, frequency</td><td></td><td>Si</td><td>ngle phase, 47 Hz to 63</td><td>Hz</td><td></td></t<>	Number of phases, frequency				Si	ngle phase, 47 Hz to 63	Hz			
Prover Index (*1) 0.85 (pyhead value) 0.85 (pyhead value) 0.85 (pyhead value) Obdgat darlag, AG mode (AG ma value) 0.440 A or less 24 A 12 A or less 0.440 A or less 0.400 A or less	Apparent pow	er		Approx. 1 kVA	Approx. 2 kVA	Approx 4 kVA	Approx. 8 kVA	Approx. 12 kVA		
Current (in) Control (AD ms value) 10 FaV 2A or less 96 A48 A or less 97 A or less Voltage range: 000 (AD ms value) 10 FaV 2A or less 96 A48 A or less 72 A or less Voltage range: 01 100 V200 V(13) 10 FaV 2A or less 96 A48 A or less 72 A or less Voltage range: 01 100 V200 V(13) 10 FaV 2A or less 96 A48 A or less 72 A or less Voltage range: 01 100 V200 V(13) 5 A22 A 10 A6 X 20 A10 A 40 A20 A 60 A00 A Maxmun pass current (14) 500 VA 1 XM 2 XM 4 XM 6 XM Prover capacity 500 VA 1 XM 2 XM 4 XM 6 XM Prover capacity 1 Hz to 989 Hz (4 × 10) 2 XM 4 XM 6 XM Prover capacity 1 Hz to 989 Hz (4 × 10) 2 XM 4 XM 5 XZ X Voltage range to XM V200 V (17) 1 Hz to 989 Hz (4 × 10) 2 XM X 3 0 XH 5 A Maxmun pass current (14) 2 XM VA 3 XM 3 XM 3 XM Voltage range to XM V200 V (17) 2 XM 2A 3 XM 3 XM 3 XM Voltag	Power factor (*2)			0.95 (typical value)						
Output ang, AG mode (AD ms values) 1	Current (line v	voltage range: 10	00 V/200 V)	12 A/6 A or less	24 A/12 A or less	48 A/24 A or less	96 A/48 A or less	72 A or less		
Voltage (support voltage range of 100 V/200 V) (*19) 1 to 150 V/2 to 30V Maximum current (*4) 5 A2:5 A 10 A/5 A 20 A/10 A 40 A/20 A 60 A/20 A Maximum current (*4) 5 A2:5 A 10 A/5 A 20 A/10 A 40 A/20 A 60 A/20 A Maximum pask current (*3) 500 VA 1 kVA 2 kVA 4 kVA 6 kVA Power fields of load 0 to 1 (leading phase in current (*6) 70 to 12 V/2.5 to 42 V 500 VA 1 kVA 2 kVA 4 kVA 6 kVA Maximum pask current (*3) 1 ko 159 V/2.1 V/2.5 to 42 V 1 ko 129 V/2.8 to 42 V 50 A/15 A <	Output rating,	AC mode (AC rr	ms values)							
Voltage setting accuracy (caput) voltage range of 100 V/200 V) (*16) = (0.1% of at voltae) < 0.1 V02 V)	Voltage (output	ut voltage range	of 100 V/200 V) (*3)			1 to 150 V/2 to 300 V				
Maximum nummer (19) 1 5 22.5 10.45.6 20.470.0 40.420.A 60.430.A Power capacity 500 VA 1.4VA 2.4VA 4.4VA 6.4VA Maximum pask current (5) Four times the maximum current (mm value) Prover factor of load 1 14.16.212.V2.81.0.242.V 50.01.V1 Four times the maximum current (14.7.5.0) Four times the maximum current (14.7.5.0) Voltage setting current (15) 1.41.6.212.V2.81.0.242.V 50.01.V1 c.0.057.6.01.V1 S0.01.V1 Maximum instantinenesus current (18) Four times the maximum current (17.8.5.00.V1.V1 S0.01.V1 S0.01.V1 S0.01.V1 Maximum instantinenesus current (18) Four times the maximum current (17.8.5.00.V1.V1 S0.01.V1 S0.01.V1 S0.01.V1 Under works control (16.1.5.0.5.0.5.0.5.0.5.0.	Voltage setting	accuracy (outp	out voltage range of 100 V/200 V) (*16)		± (0.	1% of set value + 0.1 V/	0.2 V)			
Number of phases Single phase Single phase Single phase Maxemappels current (*5) 560 VA 14 VA 2 VA 4 KVA 6 KVA Maxemappels current (*5) 560 VA 14 VA 2 VA 4 KVA 6 KVA Prover factor of load 0 to 1 (leading phase) (*4) 6 KVA 6 KVA 6 KVA Valage (output voltage range of 100 V/200 V) (*3) 1 4 to 212 VI2.8 to 424 V V 5 AV2.5 A 6 AV2.5 A 10 AS A 20 AV10 A S0 AV15 A Maximum current (*6) 2.5 AV1.25 A 5 AV2.5 A 10 AS A 20 AV10 A S0 AV15 A Maximum ristantaneous current (*16) 2.5 AV1.25 A 5 AV2.5 A 10 AS A 20 AV10 A S0 AV15 A Maximum ristantaneous current (*16) 2.5 AV1.25 A 5 AV2.5 A 10 AS A 20 AV10 A S0 AV15 A Output current vision (with respect to changes in the rated range) Within + 0.1 * Current (rims value) PW SWW SWW Output voltage stability VA XWM SW M SW SW Variation AS S Ro GS SO OW 1 W Vm	Maximum curi	rent (*4)		5 A/2.5 A	10 A/5 A	20 A/10 A	40 A/20 A	60 A/30 A		
Four capacity 500 VA 1 KA 2 FA 4 kVA 6 KVA Maintum park current (*5) 00 VA 1 KPA 2 FA 6 KVA Maintum park current (*5) 0 to 1 (leading phase) (*4) 1 kPa dega ket (*4, *6) 1 kPa dega ket (*4, *6) Obligat rating 0 cmode 1 kPa dega ket (*4, *6) 1 kPa dega ket (*4, *6) 0 ket 212 V2 ket 0 ket 24 V Voltage cetting accurred (rotput voltage range of 100 V/200 V) (*1) 1 k4 to 212 V2 ket 0 ket 24 V 3 0 AV15 A 20 AV10 A 30 AV15 A Maximum instantaneous current (*16) 2 S AV1.25 A 5 AZ S A 10 A AS A 20 AV10 A 30 AV15 A Output voltage setability 2 S0 W 500 W 1 kW 2 kW 3 kW Output voltage variation (with respect to thanges in faing) Within = 0.1 K - 0.05 (*6) Ket value + 0.05 V(*0) (*7) 0 U/07 V/07 Output voltage variation (with respect to thanges in faing available warder degraphical V + 0.05 % (8) Ket value + 0.05 V(*0) (*7) 0 U/07 V ms or less 0.4 V ms or less	Number of pha	ases				Single phase				
Maxmum pask current (*5) Four times the maxmum current (ms value) Inter to 699.9 Hz (*s, 0) Power factor of load 0 to 1 (leading phase or logging phase) (*d) It is to 699.9 Hz (*s, 0) Output voltage range of 100 V/200 V) (*T) ± (0.05%; of st voltage) 0 to 1 (leading phase or logging phase) (*d) Voltage comput voltage range of 100 V/200 V) (*T) ± (0.05%; of st voltage) 30 A/15 A Maxmum current (*d) 25 A/1.25 A 5 A/25 A 10 A/5 A 20 A/10 A 30 A/15 A Maxmum instantaneous current (*d) 25 A/1.25 A 5 A/25 A 10 A/5 A 20 A/10 A 30 A/15 A Maxmum current (*d) 25 M / 25 W 500 W 1 W 2 W / 00 A 30 A/15 A Maxmum current (*d) Accoss (in the range of A/D × 1009.9 Hz) Writin = 0.1%; (*D) 0 A/15 M Output voltage voltage stability Accoss (in the range of A/D × 109.9 Hz) Writin = 0.3%; (*D) 0 A/15 M ms or less 0.4 V ms or less Output voltage voltage voltage voltage in antige of A/D × 10 98.9 Hz (*D) 0.15 V ms or less 0.4 V ms or less 0.4 V ms or less Output voltage voltag	Power capacit	v		500 VA	1 kVA	2 kVA	4 kVA	6 kVA		
Priver factor of load 0 to 1 (leading phase b) ('4) Frequency 1 Hz to 999.9 Hz (V, 16) Output rating C mode 1.4 to 212 V/2.8 to 424 V Voltage setting curvey (subput voltage range of 100 V/200 V) ('17) 1.4 to 212 V/2.8 to 424 V Voltage setting curvey (subput voltage range of 100 V/200 V) ('17) 2.5 A/1.25 A 5.4 Z.5 A 10.4 A.5 A 20.4 V10 A 500 AV15 A Maximum instantanceus curves (118) Pour times the maximum current (rine voltage stability 250 W 500 W 1.4 W 2.8 W 3.8 W Output voltage variation (with respect to changes in the rated range) Within = 0.1 V + 0.2 V (subput voltage range of 100 V/200 V) ('7) Output voltage variation (with respect to changes in the rated range) 0.15 V rms or less 0.3 V rms or less 0.4 V rms or less Output voltage variation (with respect to changes in the rated range) 1.0 V rms or less 0.3 V rms or less 0.4 V rms or less 0.4 V rms or less 0.4 V rms or less Output trequency stability (with respect to changes in the rated range) 100 ppm 'C (typical value) ('0) 0.4 V rms or less Output trequency stability (with respect to changes in all rated range) 0.15 V rms or less 0.3 V rms or less 0.4 V rms or less Output voltag	Maximum pea	k current (*5)			Four time	s the maximum current (rms value)	-		
Preguncy 1 Hz to 999.9 Hz (4, 6) Output relating DC mode 1 4 to 212 V/2.8 to 424 V Voltage cacuracy (cutput voltage range of 100 V/200 V) (*1) ± (0.05% of eart wale + 0.05 V/0.1 V) Maximum current (*1) 2.5 A/1.25 A 10 A/5 A 20 A/10 A 30 A/15 A Maximum instantanous current (*18) Four times the maximum current (ms value) Power opacity 25 M/10 A 30 A/15 A Output voltage stability Extension (with respect to 00% to 10% changes in rating) Within a 0.1%. 21 W 3 WV Output voltage stability 25 M / 10 A/5 A 0.0 V/200 V) (*7) -0 V/200 V) (*7) -0 V/200 V/200 V) (*7) Output current variation (with respect to 00% to 10% changes in rating) Within a 0.1% to 2.V (output voltage range of 100 V/200 V) (*7) -0 V/10 Output current variation (with respect to 10% to 100% changes in rating) Within a 0.1 % to 2.V (output voltage range of 100 V/200 V) (*7) -0 V/10 Output voltage value of 064 to 100% changes in rating) Within a 0.1 % in so 1 less 0.2 V ms or less 0.4 V ms or less	Power factor of	of load			0 to 1 (lea	ading phase or lagging p	hase) (*4)			
Output stains DC mode 1.4 to 212 V/28 to 424 V Voitage (cutput voitage range of 100 V/200 V) (13) 1.4 to 212 V/28 to 424 V Voitage (cutput voitage range of 100 V/200 V) (17) 2.5 A12.5 A 5 A2.5 A 10 A5 A 20 A10 A 30 A115 A Maximum instantancous current (18) 2.5 A12.5 A 5 A2.5 A 10 A5 A 20 A10 A 30 A115 A Maximum instantancous current (18) 2.5 OV 500 W 1 kW 2 kW 3 kW Output voitage variation (with response to changes in the rated range) Within ± 0.1 V/: 0.2 V (output voitage range of 100 V/200 V) (7) Output voitage variation (with response in the rated range) 0.1 V ms or less 0.2 V ms or less 0.3 V ms or less 0.4 V ms or less Output voitage variation (with response to changes in the rated range) 0.1 V ms or less 0.1 V ms or less 0.2 V ms or less 0.4 V ms or less 0.4 V ms or less 0.4 V ms or less Output voitage variation (with respect to changes in all rated range) 0.1 V ms or less 0.1 V ms or less 0.4 V ms or less 0.4 V ms or less 0.4 V ms or less Output voitage variation (with respect to changes in all rated range) 0.1 V ms or less 0.1 V ms or less 0.1 V ms or less 0.4 V ms	Frequency					1 Hz to 999.9 Hz (*4. *6)			
Voltage (output voltage range of 100 V200 V) ('3) 1.4 the 21/2 is the 424 V Voltage setting accuracy (output voltage range of 100 V200 V) ('17) = (0.05% of set value + 0.05 V/0.1 V) Maximum current ('4) 2.5 A/1.25 A 5 A/2.5 A 10 A/5 A 20 A/10 A 30 A/15 A Maximum instantaneous current ('18) Four times the maximum current (ms value) Power apacity 250 W 500 W 1 kW 2 kW 3 kW Output voltage stability Line voltage variation (with respect to f% to 100% changes in range) Within ± 0.1% 20 (voltage stability in the respect to f% to 100% changes in the rated range) Within ± 0.1% ('8) 3 kW Output voltage stability AC/5 mode (in the range of 40 Hz to 999.9 Hz) Within ± 0.1% ('8) 3 V rms or less 0.4 V rms or less	Output rating	DC mode					/			
Voltage setting accuracy (output voltage range of 100 V/200 V) (17) ± (0.65% of set value + 0.05 V/0.1 V) Maximum current (*4) 2.5 A/1.25 A 5 A/2.5 A 10 A/5 A 20 A/10 A 30 A/15 A Maximum instances ou current (*8) Four times the maximum current (ms value) 250 W 500 W 1 kW 2 kW 3 kW Output voltage valuation (with respect to 0% to 10% changes in rating) Within ± 0.1 V i ± 0.2 V (output voltage range of 100 V/200 V) (*7) OUtput voltage value in the range of 40 Hz to 99.9 Hz) Within ± 0.3% (*8) Variation AC 5 mode (in the range of 40 Hz to 99.9 Hz) Within ± 0.3% (*8) 0.4 V rms or less	Voltage (output	ut voltage range	of 100 V/200 V) (*3)			1.4 to 212 V/2.8 to 424 V	/			
Maximum current (14) 2.5 A/1.25 A 5 A/2.5 A 10 A/5 A 20 A/10 A 30 A/15 A Maximum instantaneous current (14) 2.5 A/1.25 A 5 A/2.5 A 10 A/5 A 20 A/10 A 30 A/15 A Maximum instantaneous current (14) 2.50 W 5000 W 11 KW 2.50 W 30 W Output voitage stability 2.50 W 5000 W 11 KW 2.50 W 30 W Output voitage stability AC mode (in the range of 100 Viz00 V) (7) 00 Upput requency AC mode (in the range of 100 Viz00 V) (7) 00 Upput requency weights (8) Vertaintoin AC mode (in the range of 100 Viz00 V) (7) 0.10 V rms or less 0.3 V rms or less 0.4 V rms or less Output requency valiably (with respect to changes in thar data gap 100 ppm/ °C (rybica) value) (7) 0.4 V rms or less Output requency valiably (with respect to changes in all rated range) 100 ppm °C (rybica) value) (7) 0.4 V rms or less 0.4 V rms or less Output voitage response rate (*11) 30 a k (typical value) Efficiency (2) </td <td>Voltage setting</td> <td>a accuracy (outp</td> <td>wit voltage range of $100 \text{ V}/200 \text{ V}$ (*17)</td> <td></td> <td>+ (0.0</td> <td>5% of set value + 0.05 V</td> <td>//0.1.V)</td> <td></td>	Voltage setting	a accuracy (outp	wit voltage range of $100 \text{ V}/200 \text{ V}$ (*17)		+ (0.0	5% of set value + 0.05 V	//0.1.V)			
Maximum itsentraneous current (*18) EVEN itsentration Four times the maximum current (ms value) Power capacity 250 W 500 W 1 kW 2 kW 3 kW Output votage stability 250 W 500 W 1 kW 2 kW 3 kW Unput votage variation (with respect to changes in the rated range) Within ± 0.1% 2.02 V (upd current votage variation (with respect to thorges in rate of ange of 40 Hz to 989 9 Hz) Within ± 0.3% (*8) 4.02 mode (in the range of 40 Hz to 989 9 Hz) Within ± 0.3% (*8) 0.3 V ms or less 0.4 V ms or less <t< td=""><td>Maximum curi</td><td>rent (*4)</td><td></td><td>2 5 A/1 25 A</td><td>5 A/2 5 A</td><td>10 A/5 A</td><td>20 A/10 A</td><td>30 A/15 A</td></t<>	Maximum curi	rent (*4)		2 5 A/1 25 A	5 A/2 5 A	10 A/5 A	20 A/10 A	30 A/15 A		
Induction Hada Hadrod Cutoffiel (10) 200 W Four analysis 2 kW 3 kW Output voltage stability 2 kW 2 kW 3 kW 3 kW Output voltage stability 2 kW 3 kW 3 kW 3 kW Output voltage stability 2 kW 3 kW 3 kW 3 kW Output voltage stability 4 kC mode (in the range of 40 kt to 999 9 kt) Within ± 0.1 ½ ± 0.2 V (output voltage range of 100 V/200 V) (7) Output frequency A C mode (in the range of 40 kt to 999 9 kt) Within ± 1% (78) 0.3 V ms or less 0.3 V ms or less 0.4 V ms or less 0.3 V ms or less 0.4 V ms or less 0.4 V ms or less 0.3 V ms or less 0.4 V ms or less 0.3 V ms or less 0.4 V V ms or l	Maximum inst		unt (*18)	2.0701.2070	Four time	s the maximum current (00701077		
Construction Convert	Power canacit	w	an (10)	250 W/	500 W		2 kW	3 kW		
Output rouge variation (with respect to changes in the rated range) Within ± 0.1% Output rouge variation (with respect to 0% to 100% changes in rating) Within ± 0.1% (0) Output rouge variation (with respect to 0% to 100% changes in rating) Within ± 0.1% (0) Output rouge variation (with respect to 0% rouge in the rated range) Within ± 0.1% (0) Output rouge variation (with respect to 0% rouge in the rated range) Output rouge variation (with respect to 10% rouge in the rated range) Output requery setting accuracy and stability, waveform distortion rate, response rate, and efficiency Output requery setting accuracy and stability, waveform distortion rate, (response rate, and efficiency Output requery setting accuracy setting accuracy within ± 1 x 10 ⁴ Output requery setting accuracy is the rated ranges) Within ± 5 x 10 ⁴ , Frequency setting accuracy. Within ± 1 x 10 ⁴ Output requery setting accuracy is the rate dranges) Output requery setting accuracy is the rate dranges) Output requery setting accuracy. Within ± 1 x 10 ⁴ Output requery setting accuracy is the rate drange is all rated ranges) Output requery setting accuracy is the rate drange is all rated ranges) <td>Output voltage</td> <td>y a stability</td> <td></td> <td>230 W</td> <td>500 W</td> <td>1 1.444</td> <td>2 899</td> <td>0 800</td>	Output voltage	y a stability		230 W	500 W	1 1.444	2 899	0 800		
Line Volkage Variation (with respect to 0% to 10% changes in rating) Within ± 0.1 V/± 0.2V (output volkage range of 100 V/200 V) (*7) Output trequency AC mode (in the range of 40 Hz to 999.9 Hz) Within ± 0.1 V/± 0.2V (output volkage range of 100 V/200 V) (*7) Ripple noise: DC mode (iAHz to 999.9 Hz) Within ± 0.1 V/± 0.2V (output volkage range of 100 V/200 V) (*7) Ripple noise: DC mode (iAHz to 999.9 Hz) 0.1 V rms or less 0.2 V rms or less 0.3 V rms or less 0.4 V rms or less Ambient-temperature variation (with respect to changes in the rated range) 0.1 V rms or less 0.1 V rms or less 0.3 V rms or less 0.4 V rms or less Output trequency setting accuracy waldshalts Watering accuracy.Within ± 1 x 10 ⁴ 0.0 V rms or less 0.2 V rms or less 0.4 V rms or less Output trequency setting accuracy.Within ± 1 x 10 ⁴ 0.3 % or ronse 100 ppm* of the part of		ariation (with ros	speet to changes in the rated range)			Within + 0.1%				
Coupone Content variation (with respect to A large of Variable Variabl	Output current	variation (with ro	spect to 0% to 100% changes in rating)		Within $\pm 0.1 \text{ V/} \pm 0.2$		of 100 \//200 \/\ (*7)			
Control equality Exc Mode (in the range of two fr.k. 0.98.37.12) Vitilitie 11% (0) Variation ACS-mode (in the range of 40 Hz 0.98.9.812) Vitilitie 11% (0) Ripple noise: EC mode (6Hz to 1MHz components) 0.1 V ms or less 0.2 V ms or less 0.3 V ms or less 0.4 V ms or less Ambient-temperature variation (with respect to changes in all rated range) Within ± 1% (1%) 0.3 % or less 0.4 V ms or less Output frequency stability (with respect to changes in all rated range) Within ± 5 x 10%, Frequency setting accuracy.Within ± 1 x 10 ⁻⁴ Output trequency stability (with respect to changes in all rated range) Within ± 5 x 10%, Frequency setting accuracy.Within ± 1 x 10 ⁻⁴ Output trequency stability (with respect to changes in all rated range) Within ± 5 x 10%, Frequency setting accuracy.Within ± 1 x 10 ⁻⁴ Output voltage response rate (*11) 30 µs (typical value) 50 % or more Indicators (wacum fluorescent display mode ± 0.1 V 50 % or more Indicators (wacum fluorescent display mode 0.01 Å 0.1 Å 0.1 Å Voltmeter Resolution RNS display mode Within ± (1% of rdg + 2 diglis) (in the range of 10 V to 424 V at room temperature) (12, 14) Accuracy RNS display mode 0.01 Å	Output froquo		ada (in the range of 40 Hz to 999.9 Hz)		VVIUIII1 ± 0.1 V/ ± 0.2	Within + 0.2% (*8)	f 100 v/200 v) (/)			
Tailand PACC Mode (in the range of 40 r.k 03995.91k) 0.1 V rms or less 0.15 V rms or less 0.3 V rms or less 0.4 V rms or less Ambient-temperature variation (with respect to changes in the rated range) 100 ppm/ °C (typical value) (*9) Output frequency sability (with respect to changes in all rated ranges) Within ± 5 x 10 ⁴ , Frequency setting accuracy.Within ± 1 x 10 ⁴ Output frequency sability (with respect to changes in all rated ranges) Within ± 5 x 10 ⁴ , Frequency setting accuracy.Within ± 1 x 10 ⁴ Output voltage waveform distortion rato (*10) 0.3 % or less Output voltage response rate (*11) 30 µs (typical value) Efficiency (*2) 50 % or more Indicators (vacuum fluorescent display (VED) indication) Voltage response rate (*11) Voltmeter Resolution RMS display mode 0.2 V (0 to ± 212 V) / 0.3 V (± 212 to ± 424 V) (*12, *14) Resolution RMS display mode 0.01 A 0.01 A 0.1 A 0.1 A (*12, *14) Resolution RMS display mode 0.02 A 0.02 A 0.02 A 0.2 A 0.2 A Armmeter Resolution RMS display mode 0.01 A 0.01 A 0.1 A 0.1 A (*12, *14) RMS display mode 0.02 A	variation		node (in the range of 40 Hz to 999.9 Hz)			Within + 1% (*9)				
Intple flobe: CI V fins of ress <	Pipplo poioo:	AC-3 I		0.1 V rma or loss	0.15 V rmo or loop	0.2.V rma or loop	0.2 \/ rma.or.looo	0.4.V.rmo.or.looo		
Animetering based examples and examples in the radie radie of the part	Ambient-tempo	raturo variation (v	with respect to changes in the rated range)	0.1 1 1113 01 1655	100	0.2 v mis or less	(*0)	0.4 V 1115 01 1855		
Output neglency setting accuracy. Within ± 1 x 10 ⁴ Output requency stability (with respect to changes in all rated ranges) Output voltage waveform distortion ratio (*10) Output voltage response rate (*11) 30 µs (typical value) Efficiency (*) Indicators (vacuum fluorescent display (VFD) indication) Voltmeter Yeak PEAK and AVE display mode 0.12 x (*12, *14) Resolution RMS display mode Voltneter PEaK and AVE display mode Within ± (2% of rdg + 2 digits) (in the range of 10 V to 424 V at room temperature) PEAK and AVE display mode Voltneter PEaK and AVE display mode 0.01 A 0.01 A 0.02 A 0.02 A 0.02 A 0.02 A 0.02 A 0.02 A Accuracy RMS display mode (*12, *14) PEAK and AVE display mode 0.10 A 0.01 A 0.10 A 0.01 A 0.10 A 0.01 A 0.11 A 0.02 A 0.02 A 0.02 A	Ambient-tempe		reasy and atability waysform distortion ra	to reasonal rate and a	ficionav		(9)			
Output heighting statuting with respect to thanges in a natural ranges of the statuting statuting within ± 3 x 10°, Precipition zation, zation	Output freque	ncy setting accu	racy and stability, wavelorm distortion ra	In response rate, and emiciency						
Output voltage response rate ('11) 30 µs (typical value) Efficiency (*2) 50 % or more Indicators (vacuum fluorescent display (VFD) indication) 0.2 V (0 to ± 212 V) / 0.3 V (± 212 to ± 424 V) (*12, *14) Resolution RMS display mode 0.2 V (0 to ± 212 V) / 0.3 V (± 212 to ± 424 V) Ammeter Resolution RMS and AVE display mode 0.01 A 0.01 A 0.01 A 0.1 A Ammeter Resolution RMS display mode 0.02 A 0.02 A 0.02 A 0.2 A 0.2 A Ammeter Resolution RMS display mode 0.01 A 0.01 A 0.1 A 0.1 A 0.1 A (*12, *14) RMS display mode 0.02 A 0.02 A 0.02 A 0.2 A 0.2 A 0.2 A PEAK display mode (in the range of 5% of the rated maximum current to the maximum current at room temperature) (*19) PeAK display mode (in the range of 5% of the rated maximum current at room temperature) (*19) 0.1 W/I W Power meter (*15) Resolution 0.01 Hz/0.1 Hz 0.01 Hz/0.1 Hz 10 MΩ or more at 500 V DC <	Output voltage	a waveform diste	artion ratio (*10)							
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(12, 14) PEAK and AVE display mode 0.02 A	(*10 *14)	Resolution	Rivis display mode	0.01 A	0.01 A	0.01 A	0.1 A	0.1 A		
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External dimensions (cubicle) 430 x 217 x 550 430 x 351 x 550 430 x 484 x 550 430 x 839 x 550 430 x 1105 x 550 Weight Approx. 25 kg Approx. 49 kg Approx. 69 kg Approx. 120 kg Approx. 160 kg	Power meter (Frequencyme Insulation resist Withstand volta Circuit methoo Operating and	*15) ter (*13) stance, withstan iance (input to cubic age (input to cubic bient temperatur	PEAK display mode Resolution Accuracy Resolution d voltage, circuit method, operating amb cicle, output to cubicle, and input to output) cle, output to cubicle, and input to output) re/humidity	(in the range of 5% (in the range of 10% of ient temperature/humidi 300 MΩ or mo	ty of the rated maximum cr Wi the rated power capacity t ty ore at 500 V DC 0 to +50 °C/20°	ithin ± (2% of rdg + 4 dig urrent to the rated maxin 0.1 W/1 W ithin ± (1% of rdg + 3 dig to the rated power capacity 0.01 Hz/0.1 Hz 1.5 kV AC for 1 minute Linear amplifier system % to 80% R.H (no comb	num peak current at room its) , load power factor of 1, an MΩ or more at 500 V D nsation allowed)	n temperature) (*19) Id at room temperature) C		
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*1 An input voltage range of 100 V/200 V can be selected using a switch.

*2 For the output voltage range of 100 V/200 V, the output current rating, a load power factor of 1, and an output frequency of 40 Hz to 999.9 Hz

*3 An output voltage range of 100 V/200 V can be selected using a switch on the front panel. Resolution: 0.1 V.
 *4 For output voltage of 1 V to 100 V/2 V to 200 V and a load power factor of 0.8 to 1 (AC/AC-S mode)
 When the output voltage is 100 V to 150 V/200 V to 300 V (AC/AC-S mode) or 100 V to 212 V/200 V to 424 V

(DC mode), the output current is reduced based on the output voltage. When the load power factor is 0 to 0.8, the output current is reduced based on the load power factor (AC/AS-

S mode). When the output frequency is 1 Hz to 40 Hz, the output current is reduced based on the output frequency (AC/

ACS mode). *5 With respect to a capacitor input-type rectifier load (Note that the peak current is limited based on the rms

value of the rated output current.)

*6 Resolution: 1) 0.01 Hz (1.00 Hz to 100.0 Hz); 2) 0.1 Hz (100.0 Hz to 999.9 Hz)

*7 For output voltage of 80 V to 150 V/160 V to 300 V and a load power factor of 1. The specified value is obtained at the output terminal board. *8 For output voltage of 80 V to 150 V/160 V to 300 V and a load power factor of 1. The specified range is output voltage variations measured with 200 Hz as a reference.

*9 For output voltage range of 100 V/200 V and an output current of 0 A

*10 For output voltage of 80 V to 150 V/160 V to 300 V and a load power factor of 1

- *11 With respect to changes from an output current of 0 A to the rating and vice versa when the output voltage range is 100 V/200 V and the load power factor is 1
- *12 With the display of a true rms value and waveform having a crest factor of 3 or less
- *13 Displays the output frequency set value (frequency of the internal reference voltage)

*14 At an output frequency of 40 Hz to 999.9 Hz

*15 At an output frequency of 45 Hz to 65 Hz

*16 At an output frequency of 45 Hz to 65 Hz, with no load, and at room temperature

*17 With no load and at room temperature

*18 Limited by the rms value of the rated output current

*19 Rated maximum current in an output voltage range of 100 V

Model name			PCR500LA	PCR1000LA	PCR2000LA	PCR4000LA	PCR6000LA					
Input/output terminal board connecting screws and accessories												
Input terminal board connecting screws			(Inlet)	M6								
Output terminal board connecting screws			M4	M6								
Accessories	Input power cable Shape		Exclusive designed cable	Three-core heavy PVC jacketed cable	jacketed cable Single core cable, 3							
	(sectional conductor area/length)	Wire diameter	2 mm ² /3 m with a threepronged plug	5.5 mm²/3 m	8 mm²/3 m	22 mm²/3 m	22 mm²/3 m					
	Cable clamper		-		1 set							
	Cable-clamper fixing screws		-	M3, 1 pc. / M4, 2 pcs.	M4, 2 pcs. / M3, 4 pcs.	M3, 2 pcs. / M4, 2 pcs.						
Operation Manual			1 сору									
	Weight seal		1 sheet									
External												

Option

Remote Controller

RC03-PCR-LA(Limited in functions)





RC03-PCR-LA

Interface

IB03-PCR-LA (for GPIB) EX03-PCR-LA^{*} (for external signal input)

Driver

PD03M-PCR-LA (for Master unit operated in parallel) PD03S-PCR-LA (for Slave unit operated in parallel) 3P03-PCR-LA (for Three-phase output) 2P03-PCR-LA(for Single-phase three-wire output) Output extension kit** (Single-phase/single-phase three-wire switching) OT01-PCR4000LA/2*(4kVA)

OT01-PCR8000LA/2*(8kVA) OT01-PCR12000LA/2*(12kVA)



OT01-PCR4000LA/2

Output extension kit** (Single-phase/three-phase switching)

OT01-PCR6000LA/3*(6kVA) OT01-PCR12000LA/3*(12kVA) OT01-PCR18000LA/3*(18kVA)



*Be available soon.

**Output extension kit includes to attach software driver, signal cable and output cable respectively.





Internet:http://www.kikusui.co.jp/

[NOTICE] To users of the PCR-L Series

The PCR-LA series is not compatible with the previous product, the PCR-L Series. Consequently, it is not possible to upgrade a system if it includes a prior PCRL series in the system, as shown in the figure below. Further, along with this, in principle options cannot be used, with some exceptions. Please be condidered of this notice for your planning of future system.

If you have any other questions, please contact our sales department for details.

•Distributor:

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