



Блоки питания бесперебойные серии RCP

Технические характеристики



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19" Rack Power

1000~24000W Distributed Power



Features

- Universal AC input / Full range
- Withstand 300VAC surge for 5 seconds (RCP-1600)
- Built-in active PFC function
- Built-in auxiliary power
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- High power density up to 25W/inch³ (RCP-1600)
- 1U low profile (41mm height)
- Output voltage programmable;
Constant current level Icc programmable (RCP-1600)
- Active current sharing up to 3 units (RCP-1000) or 5 units (RCP-1600) in one 19" rack, 3 racks max. can be operated in parallel (up to 8 units for RCP-1000 or 15 units for RCP-1600)
- Built-in remote ON/OFF control
- Built-in remote sense function
- AC OK (RCP-1000) and DC OK signal output
- Internal OR-ing diode (RCP-1000) or OR-ing FET (RCP-1600), hot-swap operation
- Optional I²C serial data bus (RCP-1000);
Built-in PMBus serial communication (RCP-1600)
- 5 years warranty



Order No.	RCP-1000	RCP-1600
AC input voltage range	90~264VAC, 127~370VDC	
AC inrush current (max.)	Cold start, 50A at 230VAC	Cold start, 35A at 230VAC
DC adjustment range	Vo: $\pm 3\%$ by potentiometer, or to 90%~110% of rated output voltage by external resistor	Vo: -1%~+22.5% by potentiometer, or to 40%~125% of rated output voltage by 1~5VDC external control signal Icc : to 20%~100% of rated output current by 1~5VDC external control signal
Overload protection (OLP)	105%~125% constant current limiting, auto-recovery	105%~115% constant current limiting, shut down o/p voltage after 5 sec., re-power on to recover
Over voltage protection	110%~135% shut down o/p voltage, re-power on to recover	130%~155% shut down o/p voltage, re-power on to recover
Withstand voltage	I/P-O/P:3kVAC, I/P-FG:2kVAC, O/P-F/G: 0.7kVDC	I/P-O/P:3kVAC, I/P-FG:2kVAC, O/P-F/G: 1.5kVAC
Working temperature	-20~+60°C (refer to output derating curve)	-30~+70°C (refer to output derating curve)
Safety standards	UL60950-1, TUV EN60950-1 approved	
EMC standards	EN55022 class B (Radiation class A for RCP-1600), EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 heavy industry level	
Connection	Postronic PCB24W9M400A1	Postronic PCIM34W13M400A1
Dimension(LxWxH)	295x 127x 41mm (483.6x 350.8x 44mm for RCP-1U)	300x 85x 41mm (440x 365x 44mm for RHP-1U)
Case No.	952A (959A for RCP-1U)	237A (242A for RHP-1U)
Packing	1.93kg (RCP-1000, single unit); 3.9kg (RCP-1U, single empty rack)	1.87kg (RCP-1600, single unit); 5.5kg (RHP-1U, single empty rack)

Order Information for RCP-1000 and RCP-1U

Rectifier: RCP-1000-**12**-**C**

— C : with I²C interface
— : without I²C interface
Output voltage(12V/24V/48V)

Rack Shelf: RCP-1U **I**

— I : AC inlet(IEC320-C14)
— T : Terminal block

Order Information for RCP-1600 and RHP-1U

Rectifier: RCP-1600-**12**-**C**

— : Standard model, PMBus protocol
— C : Optional model, CANBus protocol
Output voltage(12V/24V/48V)

Rack Shelf: RHP-1U **I**-**A**

— For RCP/RCB-1600
— I : AC inlet(IEC320-C14)
— T : Terminal block

Rectifier — 1000W

Model No.	Output	Tol.	R&N	Effi.
RCP-1000-12	12V, 0~60A	$\pm 1\%$	150mV	81.0%
RCP-1000-24	24V, 0~40A	$\pm 1\%$	200mV	87.0%
RCP-1000-48	48V, 0~21A	$\pm 1\%$	300mV	89.0%

Rectifier — 1600W

Model No.	Output	Tol.	R&N	Effi.
RCP-1600-12	12V, 0~125A	$\pm 1\%$	150mV	87.0%
RCP-1600-24	24V, 0~67A	$\pm 1\%$	200mV	90.5%
RCP-1600-48	48V, 0~33.5A	$\pm 1\%$	300mV	93.0%

19" Rack Power

2000~18000W Distributed Power



RCP-2000



RKP-1U

Features

- Universal AC input / Full range
- Withstand 300VAC surge for 5 seconds
- Built-in active PFC function
- Built-in 5V/0.3A, 12V/0.8A auxiliary power
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- High power density 21.4W/inch³
- 1U low profile (41mm height)
- Output voltage programmable
- Active current sharing up to 3 units in one 19" rack, 3 racks max. can be operated in parallel (up to 9 units)
- Built-in remote ON/OFF control
- Built-in remote sense function
- Internal OR-ing FET, hot-swap operation
- Built-in PMBus serial communication
- AC OK and DC OK signal, fan fail, OTP alarm signal
- 5 years warranty



Order No.	RCP-2000
AC input voltage range	90~264VAC, 127~370VDC
AC inrush current (max.)	Cold start, 50A at 230VAC
DC adjustment range	Vo: -12%~+15% by potentiometer, or to 90%~110% of rated output voltage by 1.5~4.5VDC external control signal
Overload protection	105%~125% constant current limiting, shut down o/p voltage after 5 sec., re-power on to recover
Over voltage protection	120%~145% shut down o/p voltage, re-power on to recover
Setup, rise, hold up time	1500ms, 60ms, 10ms at full load and 230VAC
Withstand voltage	I/P-O/P:3kVAC, I/P-FG:2kVAC, O/P-F/G: 0.7kVDC
Working temperature	-40~+70°C (refer to output derating curve)
Safety standards	UL60950-1, TUV EN60950-1 approved
EMC standards	EN55022 class A, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 heavy industry level
Connection	Postronic PCIM34W13M400A
Dimension(LxWxH)	295x 127x 41mm (483.6x 350.8x 44mm for RKP-1U)
Case No.	974A (959A for RKP-1U)
Packing	2kg (RCP-2000, single unit); 4.18kg (RKP-1U, single empty rack)

Rectifier — 2000W

Model No.	Output	Tol.	R&N	Effi.
RCP-2000-12	12V, 0~100A	±2%	150mV	86.0%
RCP-2000-24	24V, 0~80A	±1%	200mV	90.5%
RCP-2000-48	48V, 0~42A	±1%	300mV	92.0%

Order Information for RCP-2000 and RKP-1U

Rectifier: RCP-2000-12 — Output voltage(12V/24V/48V)

Rack: RKP-1U I - CMU1 — CMU1: with RKP-CMU1
— : without RKP-CMU1
I : AC inlet(IEC320-C20)
T : Terminal block

Control and Monitor Unit for RCP-2000



RKP-CMU1



CASE: 959A
147.5x 127x 41 mm

RKP-1U□-CMU1



CASE: 959D
486.6x 350.8x 44 mm

- 1U low profile, rack mountable
- Control and monitor up to 32 RCP-2000 units
- Front panel LCD and buttons for on-site service without PC
- Alarm/event log with time and date
- Easy wire connections on rear side
- Windows-based PC communication software
- USB, RS-232 or Ethernet interface for PC connection locally or remote monitoring and control via GSM modem
- 4 user programmable relay outputs for traditional remote or warning
- 5 years warranty

DC input voltage range 12~15VDC
DC input current 1A at 12VDC, 0.8A at 15VDC
Output relay contact 4 user programmable relay
Working temperature -25~+70°C (refer to output derating curve)
Safety standards UL60950-1, TUV EN60950-1 approved for RKP-1U□-CMU1
Withstand voltage I/P-O/P:3kVAC, I/P-FG:2kVAC, O/P-FG:0.7kVDC for RKP-1U□-CMU1; O/P-FG:0.7kVDC for RKP-CMU1
Isolation resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC for RKP-1U□-CMU1; O/P-FG:100M Ohms/500VDC for RKP-CMU1
EMC standards EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-1 light industry level

Model No.	Application
RKP-CMU1	Control and monitor RCP-2000 series (single unit of RKP-CMU1)
RKP-1U□-CMU1	Control and monitor RCP-2000 series (19" rack with RKP-CMU1)

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