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Product Service

C E R T I F I C A T E

No. B 057396 0398 Rev. 02

Holder of Certificate: **XP Power LLC.**
340 Commerce, Suite 100
Irvine CA 92602
USA

Certification Mark:

Product: **Switching power supply unit**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 7191333334-01-TR

Valid until: 2026-01-07

Date, 2024-07-29

(Kim Hock Teo)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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Model(s): **RCL175Pxy**
(where x is S, D, T or Q, indicating single, dual, triple or quad output respectively; y is 00 to 99, or AA-ZZ, indicating the output voltage; optional additional suffix can be blank, U, C, or F, indicating various mechanical chassis options)

Brand Name: **XP**

Parameters:

Rated Input Voltage: 100-240 VAC
Rated Frequency: 50/60 Hz
Rated Input Current: 2.7 A max
Protection Class: Class I at end use
Temperature, Ambient: 50°C at 100% rated load
70°C at 50% rated load
Elevation for Use: 0-3048 m

Output Rating

Model	V1		V2		V3		V4		Power (W)	
	VDC	A	VDC	A	VDC	A	VDC	A	Fan	Conv
RCL175PS03	3.3	30.0	—	—	—	—	—	—	99	80
RCL175PS05	5.0	30.0	—	—	—	—	—	—	150	100
RCL175PS12	12.0	14.5	—	—	—	—	—	—	175	120
RCL175PS15	15.0	11.6	—	—	—	—	—	—	175	120
RCL175PS24	24.0	7.4	—	—	—	—	—	—	175	120
RCL175PS28	28.0	6.2	—	—	—	—	—	—	175	120
RCL175PS48	48.0	3.6	—	—	—	—	—	—	175	120
RCL175PS60	60.0	2.9	—	—	—	—	—	—	175	120
RCL175PD22	5.0	15.0	12.0	8.3	—	—	—	—	175	110
RCL175PD23	5.0	15.0	24.0	4.2	—	—	—	—	175	110
RCL175PT31	5.0	15.0	12.0	6.3	—	—	12.0	2.0	175	110
RCL175PT32	5.0	15.0	15.0	4.6	—	—	15.0	2.0	175	110
RCL175PQ42	5.0	15.0	3.3	15.0	12.0	2.0	12.0	2.0	175	90
RCL175PQ43	5.0	15.0	3.3	15.0	15.0	2.0	15.0	2.0	175	90
RCL175PQ44	5.0	15.0	12.0	5.5	5.0	2.0	12.0	2.0	175	90
RCL175PQ45	5.0	15.0	15.0	4.0	5.0	2.0	15.0	2.0	175	90
RCL175PQ46	5.0	15.0	24.0	3.2	12.0	2.0	12.0	2.0	175	90
RCL175PQ47	5.0	15.0	24.0	3.0	15.0	2.0	15.0	2.0	175	90
RCL175PQ48	5.0	15.0	12.0	6.3	12.0	2.0	12.0	2.0	175	90
RCL175PQ60	24.0	3.1	60.0	1.0	5.0	2.0	30.0	1.0	175	90

Notes:
1. Maximum 10 A output on V1 with convection cooling
2. Maximum 20 A combinen output of V1 + V2 with convection cooling
3. 12 cfm fan (optionally provided) requried for maximum power
4. Outputs de-rated to 50% for Tma of 70°C
5. Combined output power not to exceed maximum output power
6. "—" indicates no such output exist for the respective models

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The power supplies covered under this report are component open frame switch mode power supplies for building-in.

Model Differences:

All models are similar, except designation, chassis options, PWB population, number of outputs and output electrical ratings.

The RCL175 series power supply is rated at up to 120 Watts with convection cooling and maximum 175 Watts when provided with the optional 12 cfm fan. The RCL175 is available with one to four outputs: 3V to 60V on output one, 5V to 60V on output two, and 5V to 30V on outputs three and four. Mechanical options include open frame, U-channel, U-channel with cover and U-channel with fan cover.

RCL175Pxy
x is S, D, T or Q indicating single, dual, triple, or quad output, respectively.
y is 00 to 99, or AA-ZZ indicating the output voltage.

Additional suffix is blank, U, C, or F, indicating various mechanical chassis options indicated below:
Open frame with heat sinks (suffix blank)
U-Channel with heat sinks (suffix U)
U-Channel with cover (suffix C)
U-Channel with fan cover (suffix F)

Model RCL175PSAJ is identical to RCL175PS24 except for secondary connector, thermistor, and trace layout modified for accommodating the secondary connector.

Conditions of Acceptability
When installing the equipment, all requirements of the standards and the manufacturer's specifications must be met.

The models require:

- The following output circuits are at ES1 energy levels: All Outputs
- The following output circuits are at PS3 energy levels: All Outputs
- The maximum investigated branch circuit rating is: 20 A
- The investigated Pollution Degree is: 2
- Proper bonding to the end-product main protective earthing termination is: Required (Class I)
- The following input terminals/connectors must be connected to the end-product supply neutral: AC N
- The following end-product enclosures are required: Mechanical, Fire, Electrical
- The power supply was evaluated to be used at altitudes up to: 3048 m
- When installed in a Class I end product, the power supply shall be mounted in a manner that provides the minimum required Clearance between the primary side of power supply and protectively earthed accessible conductive parts.
- Heatsinks are floating and considered live. They should not be accessible in the end-product.
- A suitable main disconnect device shall be provided in the end product.
- The power supplies covered by this report have a fuse in the neutral of the primary circuit. The need for a marking to warn a service person of the hazards associated with double pole/neutral fusing shall be considered in the end product.

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Tested according to: EN 62368-1:2014/A11:2017

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