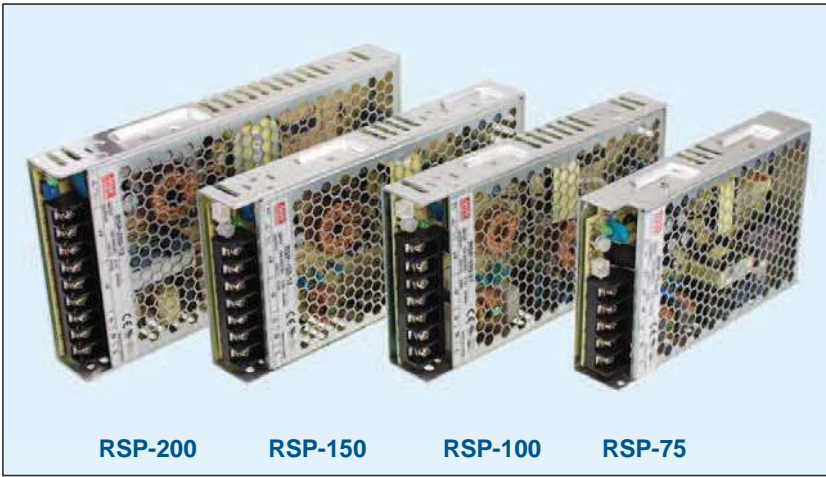


# RSP Series 75W~3000W Single Output with PFC function



## Power Supply Features

- **Ultra low profile: 30mm**
- Universal AC input / Full range
- Active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temperature (RSP-100/150/200)
- Cooling by free air convection
- Extensive range of voltages 3.3V to 48V
- Constant current limiting (RSP-75/100/150)
- Remote ON/OFF control (RSP-75/100/150)
- LED indicator for power on
- **DIN Rail mounting hardware available!**
- **3 year warranty**

## General Specifications (Please refer to [www.procontechtechnology.com.au](http://www.procontechtechnology.com.au) for detailed specs)



Model No.	RSP-75	RSP-100	RSP-150	RSP-200
AC input voltage range	85~264VAC; 120~370VDC			88~264VAC; 124~370VDC
AC inrush current (max.)	Cold start, 35A at 230VAC	30A at 230VAC	45A at 230VAC	40A at 230VAC
DC adjustment range	-5% ~ +10% rated output voltage			Up to ±15% rated output voltage (see data sheet)
Overload protection	Range	105~135%	105~150%	
	Type	Constant current limiting, auto-recovery		Hiccup mode, auto-recovery
Over voltage protection	Range	110~135%		115~145%
	Type	Shut down O/P voltage, re-power on to recover		
Withstand voltage	I/P-O/P: 4kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC, OVC III			I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC
Working temperature	-25°C ~ +70°C		-30°C ~ +70°C (refer to output derating curve)	
Safety standards	UL62368-1, TUV EN62368-1, EAC TP TC 004, BSMI CNS14336-1, EN61558-1, EN61558-2-16, AS/NZS60950.1 approved;			UL62368-1, TUV EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS60950.1 approved
EMC standards	EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, CNS13438, EAC TP TC 020, EN55024			
Connection	5P / 9.5mm pitch terminal block	7P / 9.5mm pitch terminal block		9P / 9.5mm pitch terminal block
Dimensions (LxWxH)	159x97x30mm	179x99x30mm	199x99x30mm	215x115x30mm
Weight	0.44kg	0.52kg	0.6kg	0.72kg

75W		RSP-75		
Model No.	Output	Tol.	R&N	Eff.
RSP-75-3.3	3.3V, 0~15A	±2%	80mV	76.0%
RSP-75-5	5V, 0~15A	±2%	80mV	82.0%
RSP-75-7.5	7.5V, 0~10A	±2%	80mV	84.0%
RSP-75-12	12V, 0~6.3A	±2%	120mV	85.0%
RSP-75-13.5	13.5V, 0~5.6A	±2%	120mV	85.0%
RSP-75-15	15V, 0~5A	±2%	120mV	86.0%
RSP-75-24	24V, 0~3.2A	±1%	120mV	87.0%
RSP-75-27	27V, 0~2.8A	±1%	120mV	88.0%
RSP-75-48	48V, 0~1.6A	±1%	200mV	89.0%

150W		RSP-150		
Model No.	Output	Tol.	R&N	Eff.
RSP-150-3.3	3.3V, 0~30A	±2%	100mV	81.5%
RSP-150-5	5V, 0~30A	±2%	100mV	87.0%
RSP-150-7.5	7.5V, 0~20A	±2%	100mV	88.5%
RSP-150-12	12V, 0~12.5A	±2%	100mV	90.0%
RSP-150-13.5	13.5V, 0~11.2A	±2%	100mV	87.5%
RSP-150-15	15V, 0~10A	±2%	100mV	88.5%
RSP-150-24	24V, 0~6.3A	±1%	150mV	89.0%
RSP-150-27	27V, 0~5.6A	±1%	150mV	89.5%
RSP-150-48	48V, 0~3.2A	±1%	250mV	90.0%

100W		RSP-100		
Model No.	Output	Tol.	R&N	Eff.
RSP-100-3.3	3.3V, 0~20A	±2%	100mV	83.0%
RSP-100-5	5V, 0~20A	±2%	100mV	86.0%
RSP-100-7.5	7.5V, 0~13.5A	±2%	100mV	87.0%
RSP-100-12	12V, 0~8.5A	±1%	100mV	86.0%
RSP-100-13.5	13.5V, 0~7.5A	±1%	100mV	86.5%
RSP-100-15	15V, 0~6.7A	±1%	100mV	87.0%
RSP-100-24	24V, 0~4.2A	±1%	150mV	87.0%
RSP-100-27	27V, 0~3.8A	±1%	150mV	87.0%
RSP-100-48	48V, 0~2.1A	±1%	250mV	88.0%

200W		RSP-200		
Model No.	Output	Tol.	R&N	Eff.
RSP-200-2.5	2.5V, 0~40A	±2%	100mV	79.5%
RSP-200-3.3	3.3V, 0~40A	±2%	100mV	81.5%
RSP-200-4	4V, 0~40A	±2%	100mV	84.0%
RSP-200-5	5V, 0~40A	±2%	150mV	85.5%
RSP-200-7.5	7.5V, 0~26.7A	±2%	150mV	89.0%
RSP-200-12	12V, 0~16.7A	±1%	150mV	89.0%
RSP-200-13.5	13.5V, 0~14.9A	±1%	150mV	89.0%
RSP-200-15	15V, 0~13.4A	±1%	150mV	89.5%
RSP-200-24	24V, 0~8.4A	±1%	150mV	89.5%
RSP-200-27	27V, 0~7.5A	±1%	200mV	89.0%
RSP-200-36	36V, 0~5.56A	±1%	220mV	90.0%
RSP-200-48	48V, 0~4.2A	±1%	240mV	90.0%

# RSP Series 75W~3000W Single Output with PFC function



RSP-750

RSP-500

RSP-320

## Power Supply Features

- **1U low profile: 41mm (30mm RSP-320)**
- Universal AC input / Full range
- Built-in active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temp. / Fan alarm (RSP-750)
- Forced air cooling by built-in DC fan
- Vo can be trimmed 40~110% by 2~5.5VDC external control signal (RSP-750)
- Io can be trimmed 40~110% by 2~5.5VDC external control signal (RSP-750)
- Built-in remote sense and ON/OFF control (RSP-500/RSP-750)
- Built-in auxiliary power 12V/0.1A (RSP-750)
- DC OK signal (RSP-750)
- LED indicator for power on
- **3 year warranty**
- **5 year warranty (RSP-750)**



## General Specifications (Please refer to [www.procontech.com.au](http://www.procontech.com.au) for detail specs)



Model No.	RSP-320	RSP-500	RSP-750
AC input voltage range	88~264VAC; 124~370VDC	85~264VAC; 120~370VDC	90~264VAC; 127~370VDC
AC inrush current (max.)	Cold start, 40A at 230VAC		
DC adjustment range	Up to $\pm 15\%$ rated output voltage (see data sheet)		$\pm 10\%$ rated output voltage (see data sheet)
Overload protection	Range	105~135%	105~130%
	Type	Hiccup mode, auto-recovery	Constant current limiting, auto-recovery
Over voltage protection	Range	115~145%	
	Type	Shut down O/P voltage, re-power on to recover	
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC		
Working temperature	-30°C ~ +70°C (refer to output derating curve)		
Safety standards	UL62368-1, TUV EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS60950.1 approved		
EMC standards	EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2(RSP-500/750), EAC TP TC 020(RSP-320/500), EN55024		
Connection	Input	9P / 9.5mm pitch terminal block	3P / 9.5mm pitch terminal block
	Output		6P / 11mm pitch terminal block
			3P / 10mm pitch terminal block with cover
Dimensions (LxWxH)	215x115x30mm	230x127x40.5mm	250x127x41mm
Weight	0.9kg	1.3kg	1.64kg

### 320W

### RSP-320

Model No.	Output	Tol.	R&N	Eff.
RSP-320-2.5	2.5V, 0~60A	$\pm 2\%$	100mV	75.5%
RSP-320-3.3	3.3V, 0~60A	$\pm 2\%$	100mV	79.5%
RSP-320-4	4V, 0~60A	$\pm 2\%$	100mV	81.0%
RSP-320-5	5V, 0~60A	$\pm 2\%$	150mV	83.0%
*RSP-320-5CC	5V, 0~60A	$\pm 2\%$	150mV	83.0%
RSP-320-7.5	7.5V, 0~40A	$\pm 2\%$	150mV	88.0%
RSP-320-12	12V, 0~26.7A	$\pm 1\%$	150mV	88.0%
RSP-320-13.5	13.5V, 0~23.8A	$\pm 1\%$	150mV	88.0%
RSP-320-15	15V, 0~21.4A	$\pm 1\%$	150mV	88.5%
RSP-320-24	24V, 0~13.4A	$\pm 1\%$	150mV	89.0%
RSP-320-27	27V, 0~11.9A	$\pm 1\%$	200mV	89.0%
RSP-320-36	36V, 0~8.9A	$\pm 1\%$	220mV	89.5%
RSP-320-48	48V, 0~6.7A	$\pm 1\%$	240mV	90.0%

\* RSP-320-5CC with conformal coating is suitable for LED moving sign applications. Standard stocked model in Australia!

### 500W

### RSP-500

Model No.	Output	Tol.	R&N	Eff.
RSP-500-3.3	3.3V, 0~90A	$\pm 2\%$	120mV	81.0%
RSP-500-4	4V, 0~90A	$\pm 2\%$	120mV	83.0%
RSP-500-5	5V, 0~90A	$\pm 2\%$	150mV	83.0%
RSP-500-12	12V, 0~41.7A	$\pm 1\%$	150mV	89.0%
RSP-500-15	15V, 0~33.4A	$\pm 1\%$	150mV	88.0%
RSP-500-24	24V, 0~21A	$\pm 1\%$	150mV	89.0%
RSP-500-27	27V, 0~18.6A	$\pm 1\%$	150mV	89.5%
RSP-500-48	48V, 0~10.5A	$\pm 1\%$	150mV	90.5%

### 750W

### RSP-750

Model No.	Output	Tol.	R&N	Eff.
RSP-750-5	5V, 0~100A	$\pm 2\%$	150mV	82.0%
RSP-750-12	12V, 0~62.5A	$\pm 1\%$	150mV	87.0%
RSP-750-15	15V, 0~50A	$\pm 1\%$	150mV	89.0%
RSP-750-24	24V, 0~31.3A	$\pm 1\%$	150mV	90.5%
RSP-750-27	27V, 0~27.8A	$\pm 1\%$	150mV	90.5%
RSP-750-48	48V, 0~15.7A	$\pm 1\%$	150mV	92.0%

# RSP Series 75W~3000W Single Output with PFC function



## Power Supply Features

- Universal AC input (RSP-1000/1500/2000)  
AC input 180~264VAC (RSP-2400/3000)
- Built-in active PFC (Power Factor Correction)
- Protection:  
Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- High power density up to 25W/in<sup>3</sup> (RSP-1600)
- **Vo can be trimmed by external resistor or external control signal**
- Parallel operation up to 9000W
- Built-in remote sense and ON/OFF control
- Alarm signal output (RSP-1500/2000/2400/3000)
- DC OK signal (RSP-1000/2000)
- Built-in auxiliary power
- **5 year warranty**

3 phase 5000W (RST-5000) and 10000W (RST-10000) power supplies now available!



## General Specifications (Please refer to [www.procontechology.com.au](http://www.procontechology.com.au) for detail specs)



Model No.	RSP-1000	RSP-1500	RSP-2000	RSP-2400	RSP-3000
<b>AC input voltage range</b>	90~264VAC; 127~370VDC			180~264VAC; 254~370VDC	
<b>AC inrush current (max.)</b>	40A at 230VAC	60A at 230VAC	50A at 230VAC	60A at 230VAC, Cold start	
<b>DC adjustment range (by ext. connection)</b>	-60% ~ +10% rated output voltage	-30% ~ +10% rated output voltage	-60% ~ +17% rated output voltage	<b>12V:</b> 2.4V ~ 13.2V <b>24V:</b> 4.8V ~ 28V <b>48V:</b> 9.6V ~ 56V	
<b>Overload protection</b>	<b>Range</b>	105~125%	105~135%	105~125%	100~112%
	<b>Type</b>	Constant current limiting, auto-recovery	Constant current limiting, shuts off after 5 sec., re-power on to recover		Constant current limiting, shuts off after 5 sec., re-power on to recover (user selectable continuous constant current limiting)
<b>Over voltage protection</b>	<b>Range</b>	115~135%	115~140%	120~145%	115~140%
	<b>Type</b>	Shut down O/P voltage, re-power on to recover			
<b>Withstand voltage</b>	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC				
<b>Working temperature</b>	-20°C ~ +60°C	-20°C ~ +70°C	-35°C ~ +70°C	-20°C ~ +70°C	
<b>Safety standards</b>	UL62368-1, TUV EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS60950.1 approved				
<b>EMC standards</b>	EN55032, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2, EN610204-3, EN55024				
<b>Connection</b>	<b>Input</b>	3P/10mm pitch terminal block with cover	3P/13mm pitch terminal block with cover	3P/10mm pitch terminal block with cover	3P/13mm pitch terminal block with cover
	<b>Output</b>	M5x12 screw terminals	Bus bars with 8.5mm hole	M5x12 screw terminals	Bus bars with 8.5mm hole
<b>Dimensions (LxWxH)</b>	295x127x41mm	278x127x83.5mm	295x127x41mm	278x177.8x63.5mm	
<b>Case No.</b>	952B	943A	952D	982B	
<b>Weight</b>	1.95kg	3.0kg	1.95kg	3.3kg	4kg

1000W		RSP-1000		
Model No.	Output	Tol.	R&N	Eff.
RSP-1000-12	12V, 0~60A	±1%	150mV	83%
RSP-1000-15	15V, 0~50A	±1%	150mV	85%
RSP-1000-24	24V, 0~40A	±1%	150mV	88%
RSP-1000-27	27V, 0~37A	±1%	150mV	88%
RSP-1000-48	48V, 0~21A	±1%	150mV	90%

2000W		RSP-2000		
Model No.	Output	Tol.	R&N	Eff.
RSP-2000-12	12V, 0~100A	±2%	150mV	87.0%
RSP-2000-24	24V, 0~80A	±1%	200mV	90.5%
RSP-2000-48	48V, 0~42A	±1%	300mV	92.0%

1500W		RSP-1500		
Model No.	Output	Tol.	R&N	Eff.
RSP-1500-5	5V, 0~240A	±2%	150mV	80%
RSP-1500-12	12V, 0~125A	±1%	150mV	87%
RSP-1500-15	15V, 0~100A	±1%	150mV	87%
RSP-1500-24	24V, 0~63A	±1%	150mV	90%
RSP-1500-27	27V, 0~56A	±1%	150mV	90%
RSP-1500-48	48V, 0~32A	±1%	200mV	91%

2400W		RSP-2400		
Model No.	Output	Tol.	R&N	Eff.
RSP-2400-12	12V, 0~166.7A	±1%	150mV	88.0%
RSP-2400-24	24V, 0~100A	±1%	150mV	90.5%
RSP-2400-48	48V, 0~50A	±1%	200mV	91.5%

3000W		RSP-3000		
Model No.	Output	Tol.	R&N	Eff.
RSP-3000-12	12V, 0~200A	±1%	150mV	87.5%
RSP-3000-24	24V, 0~125A	±1%	150mV	90.0%
RSP-3000-48	48V, 0~62.5A	±1%	200mV	91.5%