

RS/G3 Series Power Supply High Reliability Compact



3 year warranty



Dual (RD RID), Triple (RT) and Quad (RQ) output power supplies also available.

Power Supply Features

- No load power consumption <0.5W (RS-15~75)
- All have 105°C long-life electrolytic capacitors
- Protection: Short circuit / Overload / Over voltage / Over Temperature (RS-15 only)
- Meets EMS EN50082-2/EN61000-6-2 heavy industry level (35~150W)
- Withstands 300VAC surge input for 5 sec.
- High operating temperature, up to 70°C
- Withstands 5G vibration test
- Miniature size, high power density
- High efficiency, long life and high reliability
- LED indicator for power on
- 100% full load burn-in test
- Suitable for critical applications



General Specifications

(Please refer to www.procontechnology.com.au for detailed specs)

Model No.	RS-15	RS-25	RS-35	RS-50	RS-75	RS-100	RS-150
AC input voltage range	85~264VAC, 120~370VDC	88~264VAC, 125~373VDC					115 / 230VAC by switch
AC inrush current (max.)	Cold start, 65A at 230VAC	30A at 230VAC	36A at 230VAC	33A at 230VAC	40A at 230VAC		
DC adjustment range	±10% min. by potentiometer						
Overload protection	>105% hiccup mode	110~180%	110~150% hiccup mode, auto-recovery				
Over voltage protection	115~135% shut off		115~135% rated output voltage, hiccup mode, auto-recovery				
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC						
Working temperature	-20°C ~ +70°C		-25°C ~ +70°C (refer to the derating curve for different models)				
Vibration	10~500Hz, 5G 10min/1 cycle, total period 60mins, each along X, Y and Z axes						
Safety standards	UL62368-1, TUV EN62368-1, EAC TP TC 004, BSMI CNS14336-1(RS-15/25 only) approved						
EMC standards	EN55032 class B, EN61000-3-2,3; EN61000-4-2,3,4,5,6,8,11; EN61000-6-2(EN50082-2)(35~150W); EAC TP TC 020						
Connection	Terminal blocks for input and output						
Dimensions (LxWxH)	62.5x51x28mm	78x51x28mm	99x82x36mm	99x97x36mm	129x97x38mm	159x97x38mm	199x98x38mm
Case No.	971A	931A	932A	905B	903	901C	902A
Weight	0.13kg	0.2kg	0.3kg	0.41kg	0.41kg	0.6kg	0.7kg

15W – Single Output

Model No.	Output	Tol.	R&N	Eff.
RS-15-3.3	3.3V, 0~3.0A	±3%	80mV	72%
RS-15-5	5V, 0~3.0A	±2%	80mV	77%
RS-15-12	12V, 0~1.3A	±1%	120mV	81%
RS-15-15	15V, 0~1.0A	±1%	120mV	81%
RS-15-24	24V, 0~0.625A	±1%	200mV	82%
RS-15-48	48V, 0~0.313A	±1%	200mV	82%

RS-50-15	15V, 0~3.4A	±1%	120mV	86.0%
RS-50-24	24V, 0~2.2A	±1%	120mV	88.0%
RS-50-48	48V, 0~1.1A	±1%	200mV	89.0%

75W – Single Output

Model No.	Output	Tol.	R&N	Eff.
RS-75-3.3	3.3V, 0~15A	±3%	80mV	75.0%
RS-75-5	5V, 0~12A	±2%	80mV	79.0%
RS-75-12	12V, 0~6.0A	±1%	120mV	84.5%
RS-75-15	15V, 0~5.0A	±1%	120mV	86.0%
RS-75-24	24V, 0~3.2A	±1%	120mV	88.5%
RS-75-48	48V, 0~1.6A	±1%	200mV	89.5%

100W – Single Output

Model No	Output	Tol.	R&N	Eff.
RS-100-3.3	3.3V, 0~20A	±3%	80mV	74%
RS-100-5	5V, 0~16A	±2%	80mV	77%
RS-100-12	12V, 0~8.5A	±1%	120mV	81%
RS-100-15	15V, 0~7.0A	±1%	120mV	82%
RS-100-24	24V, 0~4.5A	±1%	120mV	84%
RS-100-48	48V, 0~2.3A	±1%	200mV	84%

150W – Single Output

Model No.	Output	Tol.	R&N	Eff.
RS-150-3.3	3.3V, 0~30A	±3%	80mV	74%
RS-150-5	5V, 0~26A	±2%	80mV	78%
RS-150-12	12V, 0~12.5A	±1%	120mV	83%
RS-150-15	15V, 0~10A	±1%	120mV	84%
RS-150-24	24V, 0~6.5A	±1%	120mV	86%
RS-150-48	48V, 0~3.3A	±1%	200mV	86%

35W – Single Output

Model No.	Output	Tol.	R&N	Eff.
RS-35-3.3	3.3V, 0~7.0A	±3%	80mV	76.5%
RS-35-5	5V, 0~7.0A	±2%	80mV	80.5%
RS-35-12	12V, 0~3.0A	±1%	120mV	84.5%
RS-35-15	15V, 0~2.4A	±1%	120mV	86.0%
RS-35-24	24V, 0~1.5A	±1%	120mV	88.0%
RS-35-48	48V, 0~0.8A	±1%	200mV	88.5%

50W – Single Output

Model No.	Output	Tol.	R&N	Eff.
RS-50-3.3	3.3V, 0~10A	±3%	80mV	78.0%
RS-50-5	5V, 0~10A	±2%	80mV	83.0%
RS-50-12	12V, 0~4.2A	±1%	120mV	84.5%