

### Features

- Universal AC input: 88 to 264VAC
- Output voltage: +24V @ 1.5A
- Protections: Short Circuit / Over load / Over voltage
- No fan required, convection cooling
- Full load burn-in test
- No load power consumption <0.5W
- Withstands 300VAC input surge for 5 seconds
- Complies with safety, EMI, and EMS standards
- LED indicator for Power-On visual status
- Output voltage adjustable
- High efficiency, long life, high reliability
- Operating temperature: -25° to + 70°C
- Small size: 99 x 82 x 36mm

### Product Description

WinSystems' PS-RS35-24 is a small, convection cooled 35W power supply for embedded systems. It is a universal design that accepts 88 to 264VAC input and generates up to 1.5A of current at 24 volts. The 24 voltage output can be adjusted with an on board trimpot. The PS-RS35-24 is small, measuring only 99 x 82 x 36mm.

The unit meets various safety and EMC standards. It is UL60950-1 and TUV EN60950-1 approved. For EMI and conduction and radiation, it is compliant to EN55022 (CISPR22) Class B. It also is compliant with EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61000-6-2 (EN50082-2) heavy industry level, criteria A for EMS immunity.

There are two different ordering options. One option includes an AC power cord along with DC cable, and the other does not.

#### Technical Support and Custom Configurations -

WinSystems offers free technical support to speed your initial design cycle into production. Our Applications Engineers are dedicated to answering your questions.

If you do not see a product or feature listed in our literature that you require, please contact us. We may have a product in development or can modify an existing product to serve your needs.

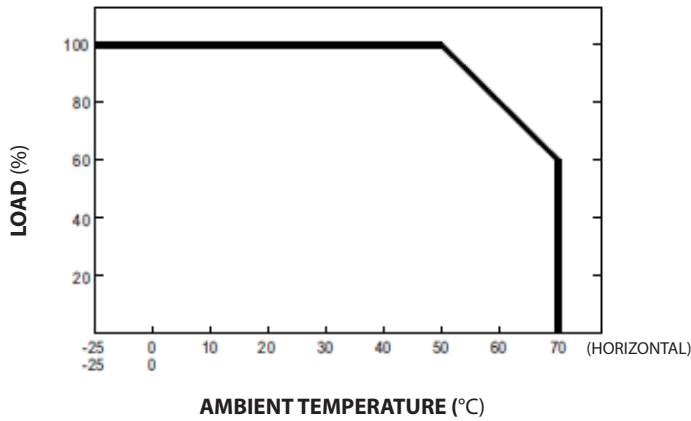


### Specifications

<b>Output</b>	DC Voltage	24V
	Rated Current	1.5A
	Current Range	0~1.5A
	Rated Power	36W
	Ripple & Noise (max.)	120mV p-p
	Voltage Adj. Range	22~27.6V
	Voltage Tolerance	±1.0%
	Line Regulation	±0.5%
	Load Regulation	±0.5%
	Setup, Rise Time (at full load)	1200mS, 50mS 115VAC
<b>Input</b>	Hold Time (full load)	15mS/115VAC
	Voltage Range	88~264VAC
	Frequency Range	47~63Hz
	Efficiency (typ.)	88%
	AC Current (typ.)	0.8A/115VAC
<b>Protection</b>	Inrush Current (typ.)	36A/230VAC cold start
	Leakage Current	<2mA/240VAC
	Over Load	110~150% rated output power Recovers after fault removed
	Over Voltage	27.6~32.4V Recovers after fault removed
<b>Environment</b>	Operational Temp.	-25° to +70°C
	Humidity	20~90% RH non- condensing
	Storage Temperature	-40° to +85°C
	Temp Coefficient	±0.03%/°C
<b>Other</b>	Vibration	10~500Hz, 5G 10 min.
	MTBF	249,000 hours
	Dimensions (LWH)	99 x 82 x 36mm
	Weight	0.8 lbs, 0.36 kg

# PS-RS35-24: 35 Watt, +24 Voltage Power Supply

**Output Derating Curve**

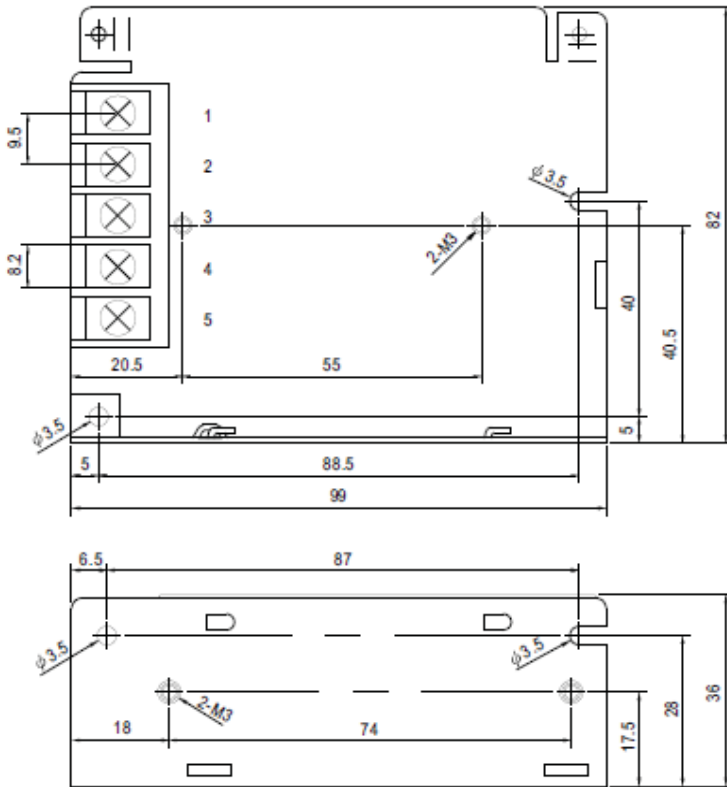


## Ordering Information

- PS-RS35-24-0 35W, +24VDC Power Supply
- PS-RS35-24-SBC 35W, +24VDC Power Supply with AC Power Cord and DC Cable

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**PS-RS35-24 Mechanical dimensions without cables attached**



**Terminal Pin Number Assignment**

Pin No.	Assignment
1	AC/L
2	AC/N
3	GND
4	DC Output -V
5	DC Output +V

