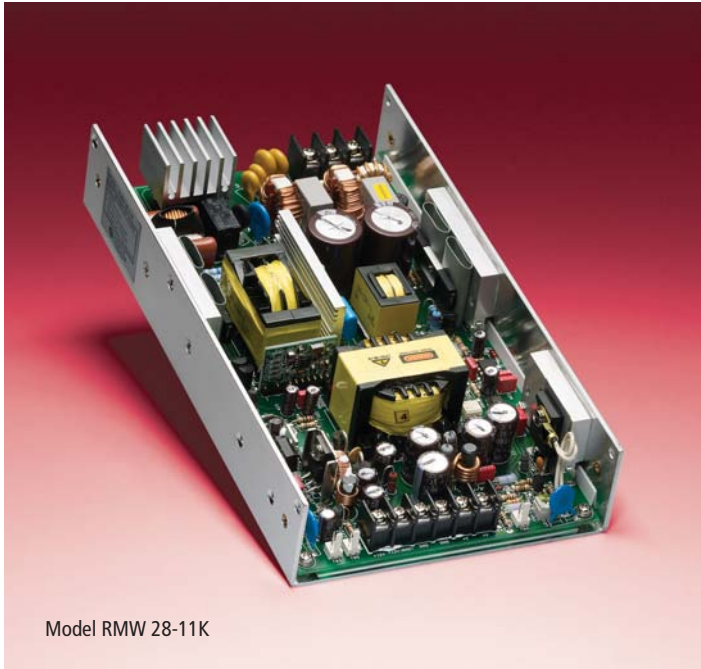


# LOW COST RELIABLE

## SINGLE & MULTI-OUTPUT POWER SUPPLIES



**FEATURES**

- Single and Triple Output Models
- Universal a-c Input with Power Factor Correction
- Convection Cooled
- Full 300 Watt Operation up to 50°C Ambient
- 120% Peak Power Capability with 18 CFM Forced Air Cooling
- 12 Volt Auxiliary Fan Output
- Remote Error Sensing
- Power OK Signal
- Adjustable Primary Output  $\pm 10\%$
- RoHS Compliant

**APPLICATIONS**

**OEM:** Security and Fire Alarm Systems, Point of Sale Terminals, LED Signage, Gaming Machines

**Factory Automation:** Conveyor Systems, Process Control, Robotics

**Test:** Burn-in, Automotive Test, Instrumentation

**RMW MODEL TABLE**

MODEL	NOMINAL OUTPUT VOLTAGE	SETTING ACCURACY	ADJUSTMENT RANGE Volts	OVP RANGE <sup>(1)</sup> Volts	OUTPUT CURRENT			EFFICIENCY % 115V a-c
					MIN Amps	RATED <sup>(2)</sup> Amps	MAXIMUM <sup>(3)</sup> Amps	
RMW 5-60K	5V	$\pm 50\text{mV}$	4.5-5.5	6-7.3	0	60	72	83
RMW 12-25K	12V	$\pm 200\text{mV}$	10.8-13.2	14.3-18.3	0	25	30	88
RMW 15-20K	15V	$\pm 100\text{mV}$	13.5-16.5	19.1-21.6	0	20	23	86
RMW 24-12K	24V	$\pm 200\text{mV}$	21.6-26.4	28.4-33.4	0	12	14.6	88
RMW 28-11K	28V	$\pm 100\text{mV}$	25.2-30.8	33-42	0	11	12.6	88
RMW 48-6.2K	48V	$\pm 1\text{V}$	43.2-52.8	60-67	0	6.25	7.3	90
RMW 51212K-300	1) +5V 2) +12V 3) -12V	$\pm 50\text{mV}$ $\pm 600\text{mV}$ $\pm 600\text{mV}$	4.5-5.5 Fixed Fixed	5.7-7.3 NA NA	0 0 0	32 11 1	45 14 2	85 <sup>(4)</sup>

(1) Latch-off mode. (2) Overcurrent protection point 120% - 150% of rated load current, auto-recovery.  
 (3) Requires 18 CFM forced air cooling. (4) 85% efficiency for all 3 outputs combined.



RMW INPUT CHARACTERISTICS		
SPECIFICATION	RATING/DESCRIPTION	CONDITION
a-c Voltage	range 85-264V a-c	
Frequency	range 47-63 Hz	
Input Current	115V a-c 4A max 230V a-c 2A max	
Inrush Current	115V a-c 30A max 230V a-c 60A max	Cold start @25°C Ambient EMI suppression caps removed
Leakage Current	<1mA	Line to ground Normal condition
Power Factor	115V a-c .99 (1) 230V a-c .95	Meets EN 61000-3-2 Class D
Switching Frequency	120 KHz	

(1) RMW 5-60K: .96 @ 115V a-c

RMW OUTPUT CHARACTERISTICS		
SPECIFICATION	RATING/DESCRIPTION	CONDITION
Source Effect	range ±1%	±10% change in line voltage
Load Effect	primary ±1%	±40% load change from 60% load
	12V aux. ±3%	
	+12V ±5%	
	-12V ±5%	RMW 51212K-300
Setting Tolerance	See model table	
Transient Recovery Excursion	>700mV ±4% max	>50µsec 20-100° load change
Startup Time	115V a-c 2 sec.	Maximum
	230V a-c 2.sec.	
Holdup Time	20mS typ	115V a-c input rated load
Remote Error Sensing	0.5V per wire	5V output only on RMW 51212K-300
Ripple and Noise	p-p <1%	All outputs, nominal line rated load
Capacitive Loading	≤30,000µF	

RMW GENERAL/ENVIRONMENTAL SPECIFICATIONS		
SPECIFICATION	RATING/DESCRIPTION	CONDITION
Temperature	operating 0 to +50°C	Humidity 10 to 95% RH, non-condensing
	start up 0°C min.	
	storage -20 to +85°C	
Safety Standards	UL 60950-1, CSA 22.2 No. 234, EN 60950-1	UL TÜV
Conducted & Radiated Emissions	FCC Class B CISPR 22 "B"	15KHz to 30MHz
Input Harmonics	EN 61000-3-2	Class D
ESD Immunity	EN 61000-4-2 Criteria B	4KV contact, 8KV air discharge
Radiated Field Immunity	EN 61000-4-3 Criteria A	10V/M, 80% amplitude modulation
Fast Transient/Burst Immunity	EN 61000-4-4 Criteria B	2KV
Surge Immunity	EN 61000-4-5 Criteria B	1KV line to line 2KV line to ground
Conducted Noise Immunity	EN 61000-4-6 Criteria A	10V/M, 80% amplitude modulation
Power Frequency Magnetic Fields	EN 61000-4-8 Criteria A	30A/meter
Voltage Dips/Short Interruption	EN 61000-4-11 Criteria B EN 61000-4-11 Criteria C EN 61000-4-11 Criteria C	30% dips 10mS
		60% dips 100mS
		>95% dips 5000mS
Altitude	≤3000m	
Dimensions HxWxD	1.6" x 5" x 9" 40.6mm x 127.8mm x 228.6mm	
Weight	2.2 lbs., 1 kg	
Cooling	Convection	
Construction	U-Chassis	Cover - optional
Mounting	3 directions	6/32" screws
Connectors	AC Input & DC Output Terminal blocks (3) Molex 5045-02A or equivalent	Fan, remote sense, power OK

#### FOR MORE INFORMATION



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