0.99 Typical Power Factor
 Low Ripple and Noise on All Outputs
 DC Power Good and AC Power Fail Signals
 True Remote Inhibit
 Monotonic Turn-On and Turn-Off

Specifications (continued)
Peak Output Current: Dual current ratings define continuous and peak
currents. The peak current shown can be delivered for a maximum
period of 30 seconds.

Remote Enable: Contact closure to common turns on DC outputs (recessed pin for make last, break first" connection).

Remote Inhibit: Contact closure to the negative sense line or a TTL level "0"

DC Power Good: Provides a TTL "1" open collector when output 1 is above 4.6

Redundancy: Built-in Or-ing diodes, slope program current sharing on all outputs, and self aligning connector provide "hot swap" and "N+1" capabilities. Current sharing remains within 10% of the unit's full output rating while units are in thermal equilibrium.

Reverse Voltage: Protected against reverse voltage up to supply current rating.

Thermal Protection: Shuts down power supply if overheated. Automatic

Temperature Range: 0-50°C to full ratings. Most models are approved to UL1950; CSA 22.2 #234; IEC 950 and TUV, EN60950, Class 1 SELV. CE 72/23/EEC/93/68EEC.

Volts

Watts

- Features

 Diode Isolated Outputs for Hot Swap
 "Zero Wire" Slope Program Current Sharing for Redundancy
 Self-Aligning Connector with Solid Metal Machined Contacts
 Universal AC Input or 48 VDC Input
 Dual Converter Design Eliminates Interaction Between Logic and Auxiliary Outputs

Specifications Overall Dimensions:

sions: 10.75" × 4.8" × 2.5".

Adjustability: Outputs 1 and 2, and 4 factory adjusted to nominal ±0.2%, output 3 tracks #2, initial accuracy ±3%.

Line and Load Reg: Outputs 1, 2 and 4 hold ±2% over AC input range and 0 to 100% load change (preprogrammed slope). Output #3 requires 20% minimum load on Outputs 2 and 3 to hold ±5%.

Ripple and Noise: 1% p-p or 100 mV, whichever is greater.

Remote Sense (Output #1): Compensates for 250 mV total line drop. Preprogrammed slope remains under $\pm 3\%$ worst case. Open sense lead protection.

Temperature Coefficient (Outputs 1, 2 and 4): $0.03\%\ per\ degree\ C.$

Stability: 0.1% over 8 hours after 30 minutes warm-up.

Transient Response (Outputs 1, 2 and 4): Output voltage returns to within 1% in less than 500 μs for a 50% load change (measured with rise time and fall time of 200μs). Peak transient does not exceed 5%.

Overload Protection: All outputs are protected against overload and short circuit. Automatic recovery upon removal of fault.

Overvoltage Protection (Outputs 1 and 2): Protects load against power supply induced over voltage. Trip point is factory set so that output voltage cannot exceed 136% of nominal.

TMX and RMX series power supplies can be operated in redundant configurations to achieve AC operation with battery backup capability.

350 W, AC and DC Multiple Output Hot Swap Power Supplies

RMX Series — 350 W, AC Multiple Output Power Supplies

350 W
 Power Factor Corrected
 Multiple Output, Hot Swappable

RMX series 350 W power supplies provide new and increased flexibility for configuring connector interface. Redundant "hot swappable" power systems using a standard product. The RMX-350 series eliminates the need for external sheet metal sleds, OR-ing diodes, and a high current interface. These switching power supplies are power factor corrected, multiple-output units which contain built-in Schottky OR-ing diodes and a high current. Weight 3.5 lbs. AC Input: 90-264 VAC continuous range, 47 to 63 Hz. Internally fused for 7.A Power Factor: 0.99 bytical at full load, meets ENDO-32- Inrush: Cold start AC current is less than 30 A at 115 VAC and 60 A at 230 VAC, limited by thermistor. Brownout Protection: Holds regulation to 85 VAC. Holdup Time: 20 ms minimum after removal of power at full load. Efficiency: 70% typical. AC Power Fait: Provides TTL: '0' 5 ms before output voltage goes out of regulation band upon loss of AC power.

Stock	Mfr.'s	Power Output	Output	Output	Output	EACH	
No.	Туре	(Watts)	í	Ź	3	4	1-4
744-8451 744-8453 744-8455 744-8457 744-8459 744-8461	RMX-353-0512 RMX-354-1205 RMX-354-1212 RMX-354-1224 RMX-354-1512 RMX-354-1524	350 350 350 350 350 350	+5 V @ 50 A +5 V @ 50 A	+12 V @ 8/12 A pk +12 V @ 8/12 A pk +12 V @ 8/12 A pk +12 V @ 8/12 A pk +15 V @ 4 A +15 V @ 4 A	-12 V @ 4 A -12 V @ 4 A -12 V @ 4 A -12 V @ 4 A -15 V @ 4 A -15 V @ 4 A	5.2 V @ 5 A 12.0 V @ 5 A 24.0 V @ 3 A 12.0 V @ 5 A 24.0 V @ 3 A	571.20 571.20 571.20 571.20 571.20 571.20

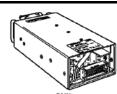
TMX Series - 350 W, DC Multiple Output Power Supplies

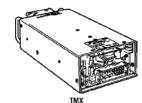
- ➤ 350 W
 ➤ Multiple Output
 ➤ 48 VDC Input, Hot Swappable

TMX series power supplies are designed to meet applicable Bellicore and NEBS standards, so they are readily operated from central office power (48 VDC). They are DC clones of Condor's RMX series power supplies. The RMX and TMX power supplies are directly interchangeable. They allow you to operate existing systems from AC or DC power without compromising performance or making any mechanical changes for mounting and cooling. Weight: 3.8 lbs. DC Input: 40-60 VDC, internally fused for 15 A. Efficiency: 75% typical. Low Input: Provides TTL "0" when input is below 40 VDC.

744-8405 744-8407 744-8409 744-8411 744-8413 744-8415	TMX-353-0512 TMX-354-1205 TMX-354-1212 TMX-354-1224 TMX-354-1512 TMX-354-1524	350 350 350 350 350 350	+5 V @ 50 A +5 V @ 50 A	+12 V @ 8/12 A pk +12 V @ 8/12 A pk +12 V @ 8/12 A pk +12 V @ 8/12 A pk +15 V @ 4 A +15 V @ 4 A	-12 V @ 4 A -12 V @ 4 A -12 V @ 4 A -12 V @ 4 A -15 V @ 4 A -15 V @ 4 A	5.2 V @ 5 A 12.0 V @ 5 A 24.0 V @ 3 A 12.0 V @ 5 A 24.0 V @ 3 A	571.20 571.20 571.20 571.20 571.20 571.20

500 Watts





NWA-330 AC IIIPUL (90-204 VAC CUILLIIUUUS Nalige)							
Function	115 VAC	230 VAC	Connector				
J1-21 J1-23 J1-25	Line Neutral Safety Ground	Line 1 Line 2 Safety Ground	See DC Output				

TMX-350 DC Innut (40-60 VAC)

1111X 000 DO 111put (40 00 VAO)					
Function	48 VDC	Connector			
J1-22 J1-24	+48 VDC -48 VDC	See DC Output			

DC Output

Function	Location	Notes	Connector
Output 1	J1-10, 20, 30 J1-9, 19, 29	Main Output Rtn (Common)	Positronics# PLC30M400A1-168.3
Output 2	J1-2 J1-3	Rtn (Common)	Mates with panel Mounted
Output 3	J1-4 J1-3	Rtn (Common)	PLC30F1000 Connector using
Output 4	J1-5	(+) Floating Output	Crimp contacts FC114N2
	J1-6	(–) Floating Output	(14 to 16 AWG)

Status and Control

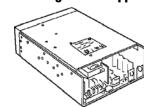
Powe Out

Function	Location	Notes	Connector
Remote Sense	J1-18	Output 1 Sense	See DC Output
Remote Sense	J1-8	Output 1 Sense Rtn	
DC Power Good	J1-7	Reference to Common when Output 1 Sense Rtn is terminated	
Enable	J1-16	Reference to Common	
Inhibit	J1-27	Reference to Common	
AC Power Fail	J1-17	Reference to Common	

1-4

5-24

Power Factor Corrected, Single Output, Forced Current Sharing Power Supplies



- ► Forced Current Sharing for N
 +1 Redundancy
 ► Universal AC Input
 ► 0.99 Typical Power Factor

- DC Power Wood and
- Fail Signals

 True Remote Inhibit

 Monotonic Turn-On and Turn-

AC Power	

	_
AC Power	1

744-0795 744-0835 744-0875 744-0910 744-0955	SPF-500-12 SPF-500-15 SPF-500-24 SPF-500-28 SPF-500-48	90-264 90-264 90-264 90-264	500 500 500 500 500	12 V @ 42.0 A 15 V @ 34.0 A 24 V @ 21.0 A 28 V @ 18.0 A 48 V @ 10.4 A	500 500 500 500 500	11.00 × 5 × 2.50 11.00 × 5 × 2.50 11.00 × 5 × 2.50 11.00 × 5 × 2.50 11.00 × 5 × 2.50	531.31 531.31 531.31 531.31 531.31	495.00 495.00 495.00 495.00 495.00
750 Watts								
744-0800 744-0840 744-0880 744-0915 744-0960	SPF-750-12 SPF-750-15 SPF-750-24 SPF-750-28 SPF-750-48	90-264 90-264 90-264 90-264 90-264	750 750 750 750 750 750	12 V @ 62.0 A 15 V @ 50.0 A 24 V @ 31.0 A 28 V @ 27.0 A 48 V @ 16.0 A	750 750 750 750 750 750	$\begin{array}{c} 12.92\times5\times2.50\\ 12.92\times5\times2.50\\ 12.92\times5\times2.50\\ 12.92\times5\times2.50\\ 12.92\times5\times2.50\\ 12.92\times5\times2.50 \end{array}$	855.58 855.58 855.58 855.58 855.58	796.17 796.17 796.17 796.17 796.17
1000 Watts								
744-0885 744-0920 744-0965	SPF-1000-24 SPF-1000-28 SPF-1000-48	90-264 90-264 90-264	1000 1000 1000	24 V @ 42.0 A 28 V @ 36.0 A 48 V @ 21.0 A	1000 1000 1000	$\begin{array}{c} 12.00 \times 8 \times 3.38 \\ 12.00 \times 8 \times 3.38 \\ 12.00 \times 8 \times 3.38 \end{array}$	1208.78 1208.78 1208.78	1134.92 1135.00 1135.00

692 ◄ ALLIED

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