

MARATHON Series Switch Mode Power Supplies.

PROXIMON
AN ISO 9001 COMPANY

Proximon Controls, the name synonymous with the quality automation components in industry today, like proximity sensors, photoelectric sensors, colour mark detectors, encoders, counters; offers an exhaustive range of power supplies.... the **MARATHON** series.

Marathon series of Switch Mode Power Supplies are designed with unique state of the art current mode PWM technology to obtain precise regulated output voltage at rated power. These "Switch Mode Power Supplies" are specially designed to work in harsh industrial environment, specifically for use in Indian power line conditions.

Due to its exhaustive range, these Marathon series SMPS are in great demand in wide spectrum of industries like Instrumentation, Office Automation, Telecom, Medical Electronics, Railways, Fire Alarm Systems, Control Panels, Research Institute, Process industries, Engineering Industries etc.

Features :

- * High efficiency
- * High reliability
- * Low temperature rise
- * Built in EMI filter
- * Low output ripple, noise
- * Compact size, light weight
- * Rugged heavy duty enclosure
- * Short Circuit protection, Overload / Over voltage protection
- * 100% Full load burn-in tested
- * Over Temperature Protection
- * Parallel / Redundancy operation is possible



Specifications:

Input voltage : 90-135 VAC / 185 - 270 VAC or 90 - 270 VAC
 Input frequency : 47 - 63 Hz
 Output voltage : 24 VDC (+/-10% ADJ)
 12 VDC (+/-10% ADJ)

Overload, Short circuit, Over voltage, Over temperature protection.
 Onboard EMI / RFI filter
 Line Fuse protection
 Efficiency : Typical 85%
 Operating Temp - upto 50 deg. C @ 100%, 50 - 60 deg. C @ 80 %
 Withstand Voltage - I/P - O/P : 1.5 KV, I/P - FG : 1.5 KV
 Ripple & Noise : <+ / -1 %
 Line & Load Regulation : < + / - 0.5 %

Mounting :

All models are panel mountable with optional DIN rail mounting version up to 250W.

Dimensions:

Power	Model	Dimension H x W x D
500 W	24V,20A	96 x 240 x 216 mm
250 W	24V,10A	96 x 172 x 122 mm
150 W	24V,5A	60 x 152 x 108 mm
60 W	24V,2.5 A	60 x 152 x 108 mm

Available in rugged Powder Coated MS enclosures, a robust metal housing.

Typical Power Supply Solutions



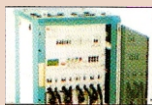
Instrumentation / Control Panels :

SMPS : Input 230 V AC, Output 24 V DC, 2.5 A / 5 A / 10 A



Telecommunication :

DC-DC Converter : Input 24 VDC, Output 48 VDC, 10 AMP



Battery Charger :

SMPS : Input 230 VAC, Output 12 VDC/ 24 VDC, 5 A



Railways :

DC-DC Converter : Input 90-200 VDC, Output +/-12 VDC or 15 VDC, 1 Amp



Sorting Machines :

SMPS : Input 230 VAC, Output 24 VDC, 10 A / 20 A



Plastic Moulding Machine :

SMPS : Input 230 VAC, Output 24 VDC, 5 A / 10 A



Wrapping Machine :

SMPS : Input 230 VAC, Output 24 VDC, 5 A / 10 A/ 20 A

Product	Input	Output
SMPS	90 -135 VAC/ 185-270 VAC	24 VDC, 5 Amp. 24 VDC, 6.25 Amp. 24 VDC, 10 Amp. 24 VDC, 20 Amp. 24 VDC, 30 Amp. 12 VDC, 6 Amp. 12 VDC, 10 Amp. 12 VDC, 20 Amp.
	90-270 VAC	24 VDC, 1 Amp. 24 VDC, 2.5 Amp. 12 VDC, 2 Amp. 12 VDC, 4 Amp.
DC-DC Converters	90-200VDC	+12 VDC, 1 Amp. - 12 VDC, 1 Amp. 15 VDC, 1 Amp.
	90-135VDC	24 VDC, 2.5 Amp. 24 VDC, 5 Amp. 24 VDC, 10 Amp.
	24VDC	48 VDC, 10 Amp.
	12 VDC	14 VDC, 2.5 Amp.
Battery Charger	180-270 VAC	28.8 VDC, 5 Amp.

Proximon Controls Pvt. Ltd. is a preferred supplier of SMPS to large no. of OEMs due to

- * Proximon's extensive production capacity
- * An ISO 9001 Certified design & manufacturing house
- * Tenacious focus on quality
- * Flexible and high reliability processes to accommodate demanding delivery Schedules.

Design & Supply of Non-Standard customised requirement from OEMs is undertaken on priority.

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