



### Features:

- Universal Input 90 – 260 VAC
- IEC320-C14 Input Socket
- Single, Dual & Triple Outputs
- Power Factor Correction
- Input Surge Current Protection
- Over-Current Protection
- Over-Voltage Protection
- On/Off Switch
- RoHS Compliant



### Input

Input Voltage	90 to 260 VAC
Input Frequency	47 to 63Hz
Power Factor Correction	1.0 Max., Full Load @ 230 VAC Input
Input Current	1.25A Max. at 115VAC 0.5A Max. at 230VAC
Safety Ground Leakage Current	0.1mA Max. @ 240VAC, Full Load

### Output

Output Voltage & Current	<b>See Chart</b>
Ripple & Noise (P-P)	1% Max., Full Load @ 90VAC Input
Over-Voltage Protection	Set at 112 - 132% of Nominal Output Voltage
Over-Current Protection	Set at 110 - 150% of Nominal Output Current
Temperature Coefficient	± 0.04% / °C Max.
Transient Response	Full Load to Half Load @ 100VAC Input: 4mS Max.

### Environmental

Operating Temperature	0°C to 70°C
Derating	Derated from 100% at +50°C to 50% at +70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5% to 95% Non-Condensing

### Electrical

Efficiency	88% Max.
Hold-Up Time	16mS Min.
Line Regulation	±1% Max. at Full Load
Load Regulation	±7% Max. at 230VAC
Inrush Current	15A @ 115VAC Max. 30A @ 230VAC Max. at 25°C Cold Start
Withstanding Voltage	5656 VDC from Primary to Secondary, 2828 VDC from Primary to Ground
Insulation Resistance	50 MΩ Min. from Output to Ground
Mean Time Between Failure (MTBF)	100,000 Hours Min., Full Load at 25°C Ambient

### Safety

EMI Requirements	Meets Conduction Limits of: (A) CISPR-11 Class B (B) FCC Part 18 Class B
Safety Standards	Meets or Exceeds: (A) UR Listed (UL 60601-1) (B) TUV/T-Mark (EN 60601-1) (C) CE (D) CB (E) PSE (Available Upon Request) (F) CCC (12V Output Only) (G) KC (12V Output Only) (H) BSMI (12V Output Only)



# SM100P Series

Desk-Top, Switchmode Medical Power Supply  
RoHS Compliant

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## Single Output Voltage and Current Chart

Model Number**	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SM100P9XXR	5 - 6 VDC	14.00 - 11.67 A	5%	70W
SM100P9XXR	6 - 8 VDC	13.33 - 10.00 A	5%	80W
SM100P9XXR	8 - 11 VDC	11.25 - 8.20 A	4%	90W
SM100P9XXR	12 - 13 VDC	8.33 - 7.70 A	3%	100W
SM100P9XXR	14 - 16 VDC	7.14 - 6.30 A	3%	100W
SM100P9XXR	17 - 21 VDC	5.88 - 4.80 A	3%	100W
SM100P9XXR	22 - 27 VDC	4.55 - 3.70 A	2%	100W
SM100P9XXR	28 - 33 VDC	3.57 - 3.00 A	2%	100W
SM100P9XXR	34 - 40 VDC	2.94 - 2.50 A	2%	100W

\*\* To Determine Part Number:

Replace "XX" with Required Output Voltage (5VDC = "05", 12VDC = "12", 40VDC = "40", ect.)

Example: SM100P924R indicates a 24VDC Unit.

## Dual Output Voltage and Current Chart

Model Number	Output #1 Voltage & Regulation	Output #2 Voltage & Regulation	Maximum Output Power
SM100P260R	+3.3V @ 10A 7%	+12V @ 3A 5%	69W
SM100P250R	+5V @ 10A 5%	+12V @ 3A 5%	80W
SM100P253R	+5V @ 10A 5%	+15V @ 3A 6%	80W
SM100P254R	+5V @ 10A 5%	+24V @ 2A 5%	80W
SM100P259R	+3.3V @ 10A 7%	+5V @ 5A 5%	55W
SM100P256R	+12V @ 7A 5%	-12V @ 1A 5%	80W
SM100P257R	+15V @ 6A 5%	-15V @ 1A 5%	80W
SM100P265R	+24V @ 3A 5%	-24V @ 1A 5%	80W
SM100P262R	+5V @ 10A 5%	-24V @ 1A 5%	74W



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### Triple Output Voltage and Current Chart

Model Number	Output #1 Voltage & Regulation	Output #2 Voltage & Regulation	Output #3 Voltage & Regulation	Maximum Output Power
SM100P382R	+3.3V @ 10A 7%	+12V @ 3A 5%	-12V @ 1A 5%	74W
SM100P383R	+3.3V @ 10A 7%	+12V @ 3A 5%	+12V @ 1A 5%	74W
SM100P377R	+5V @ 10A 5%	+12V @ 3A 5%	-5V @ 1A 5%	80W
SM100P384R	+5V @ 10A 5%	+12V @ 3A 5%	+5V @ 1A 5%	80W
SM100P370R	+5V @ 10A 5%	+12V @ 3A 5%	-12V @ 1A 5%	80W
SM100P385R	+5V @ 10A 5%	+12V @ 3A 5%	+12V @ 1A 5%	80W
SM100P374R	+5V @ 10A 5%	+15V @ 3A 6%	-15V @ 1A 5%	80W
SM100P386R	+5V @ 10A 5%	+15V @ 3A 6%	+15V @ 1A 5%	80W
SM100P376R	+5V @ 10A 5%	+24V @ 3A 5%	-24V @ 1A 5%	80W
SM100P387R	+5V @ 10A 5%	+24V @ 3A 5%	+24V @ 1A 5%	80W
SM100P379R	+5V @ 10A 5%	+24V @ 3A 5%	-12V @ 1A 5%	80W
SM100P388R	+5V @ 10A 5%	+24V @ 3A 5%	+12V @ 1A 5%	80W
SM100P380R	+3.3V @ 10A 7%	+12V @ 3A 5%	-5V @ 1A 5%	74W
SM100P389R	+3.3V @ 10A 7%	+12V @ 3A 5%	+5V @ 1A 5%	74W
SM100P393R	+3.3V @ 10A 7%	+5V @ 3A 5%	-12V @ 1A 5%	60W
SM100P392R	+3.3V @ 10A 7%	+5V @ 3A 5%	+12V @ 1A 5%	60W

Note: Output Connector to be specified.

Standard Termination is a 6 ft. cable w/ 2.5x5.5x11mm Female Barrel Plug, Center Positive (+).

