



SM240Q1R – SM250Q1R Series

240 - 250 Watt AC-DC Medical Desktop Power Supply
IEC 60601-1-2 4th Ed. EMC, Energy Efficiency Level VI

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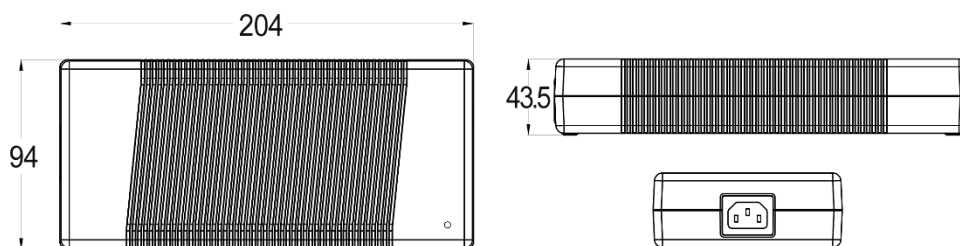


The SM240Q1R – SM250Q1R Series switch mode power supply offers 240 Watts to 250 Watts output power, with output voltages of 12, 19, 24, and 48 Vdc available. Case style is a desktop enclosure with IEC-320 C14 input socket, with ES, EN and IEC 60601-1 3.1 Edition safety approvals, IEC 60601-1-2 4th Edition EMC, IEC 60950-1 2nd Edition, and Energy Efficiency Level 6.



Features:

- Universal Input 100 - 240 Vac
- 2 x MOPP Protection
- < 100 μ A Touch Current
- Over-Voltage, Over-Current, and Short Circuit Protection
- 100% Burn-In
- RoHS 2 Compliant
- Energy Efficiency Level: VI
- Meets IEC 60950-1 2nd Edition
- Meets IEC 60601-1-2: 2014 4th Edition EMC Requirements



SM Q1R9 R

Output Voltage: See Table

Output Power: See Table

Electrical Information

Input Voltage	90 to 264 Vac
Input Frequency	47 to 63 Hz
Input Current	3.3 – 1.3 A
Over-Voltage Protection	Unit is protected from over-voltage conditions
Over-Current Protection	Unit is protected from over-current conditions
Hold-Up Time	10 ms
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 80°C
Weight	1040 g (Ref.)
Industry Compliance	RoHS 2, Energy Efficiency Level VI
EMC Requirements	IEC 60601-1-2:2014 4 th Edition
EMI Requirements	Meets Conduction and Radiation Limits of: Class B: FCC Part 18, CISPR-11, EN 55011
Safety Compliance	UR/c-UR (ANSI/AAMI/ES 60601-1:2012 3.1 Edition), TUV T-Mark (EN/IEC 60601-1: 3.1 Edition), CE, FCC, PSE CB (IEC 60601-1: 3.1 Edition. IEC 60950-1: 2 nd Edition)

Output Voltage	Output Current	Output Power (Max.)
12 Vdc	20.00 A	240 W
19 Vdc	13.20 A	250 W
24 Vdc	10.42 A	250 W
48 Vdc	5.20 A	250 W

Note: Output connector to be specified by customer. APX will be happy to recommend the appropriate connector for your application needs. The cable length and wire gauge will be dependent on the Energy Efficiency level requirements.



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