



SM60Q1R - SM65Q1R Series

Date: 5/2/17

60 - 65 Watt AC-DC Medical Desktop Power Supply

Rev: 020217

IEC 60601-1-2 4th Ed. EMC, Energy Efficiency Level VI

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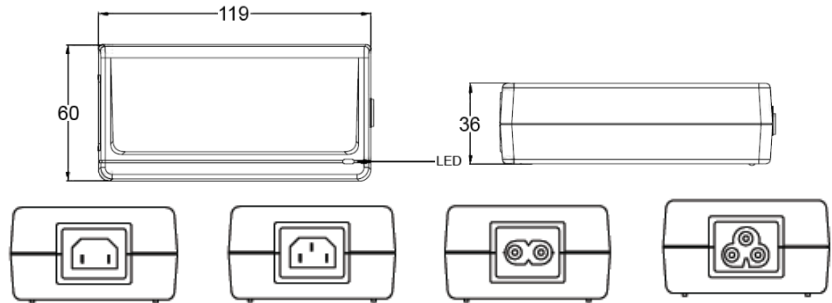


The SM60Q1R – SM65Q1R Series switch mode power supply offers 60 Watts to 65 Watts output power, with an output voltage range of 12 Vdc – 48 Vdc. Case style is a desktop enclosure with choice of IEC-320 C6, C8, C14, or C18 input socket, with ES, EN and IEC 60601-1 3.1 Edition safety approvals, IEC 60601-1-2 4th Edition EMC, IEC 60950-1 2nd Edition Safety approval, and Energy Efficiency Level 6.



Features:

- Dual ITE and Medical Approvals
- 2x MOPP Protection
- Touch Current < 100 µA
- 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□□Q1R□□□R

- Output Voltage: See Table
- Input Plug: 6 = C6 Socket, 7 = C18 Socket, 8 = C8 Socket, 9 = C14 Socket
- Output Power: See Table

Electrical Information

Input Voltage	90 to 264 Vac
Input Frequency	47 to 63 Hz
Input Current	1.6 – 0.7 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 to 80°C
Weight	350 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 (ES60601-1: 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	5.00 A	60 W
15 Vdc	4.34 A	65 W
18 Vdc	3.62 A	65 W
19 Vdc	3.43 A	65 W
24 Vdc	2.71 A	65 W
48 Vdc	1.36 A	65 W

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