



SM288Q1R – SM300Q1R Series

288 - 300 Watt AC-DC Medical Desktop Power Supply
IEC 60601-1-2 4th Ed. EMC, Energy Efficiency Level VI

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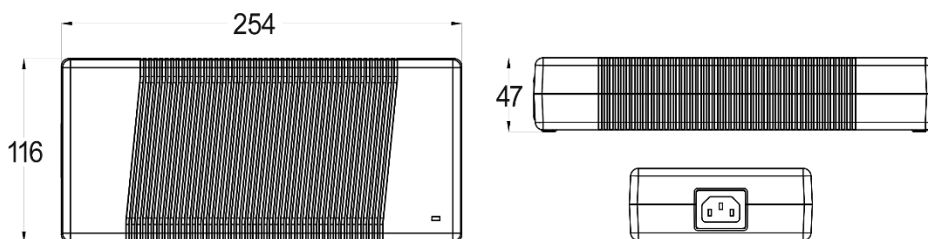


The SM288Q1R – SM300Q1R Series switch mode power supply offers 288 Watts to 300 Watts output power, with an output voltage range of 12 Vdc – 48 Vdc. Case style is a desktop enclosure with IEC-320 C14 input socket, with ES, EN and IEC 60601-1 3.1 Edition safety approvals, IEC 60601-1-2 4th Edition EMC, and Energy Efficiency Level 6.



Features:

- Universal Input 100 - 240 Vac
- IEC 320 C14 Input
- 2x 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 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 | 3.4 – 1.6 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 | 1600 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, CB, FCC, PSE |

| Output Voltage | Output Current | Output Power (Max.) |
|----------------|----------------|---------------------|
| 12 Vdc | 24.00 A | 288 W |
| 19 Vdc | 15.78 A | 300 W |
| 24 Vdc | 12.50 A | 300 W |
| 48 Vdc | 6.25 A | 300 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.