



# SM07Q1RY - SM12Q1RY Series

7 - 12 Watt AC-DC Medical Wall Plug-In Power Supply  
IEC 60601-1-2 4<sup>th</sup> Ed. EMC, Efficiency Level VI, CoC Tier 2

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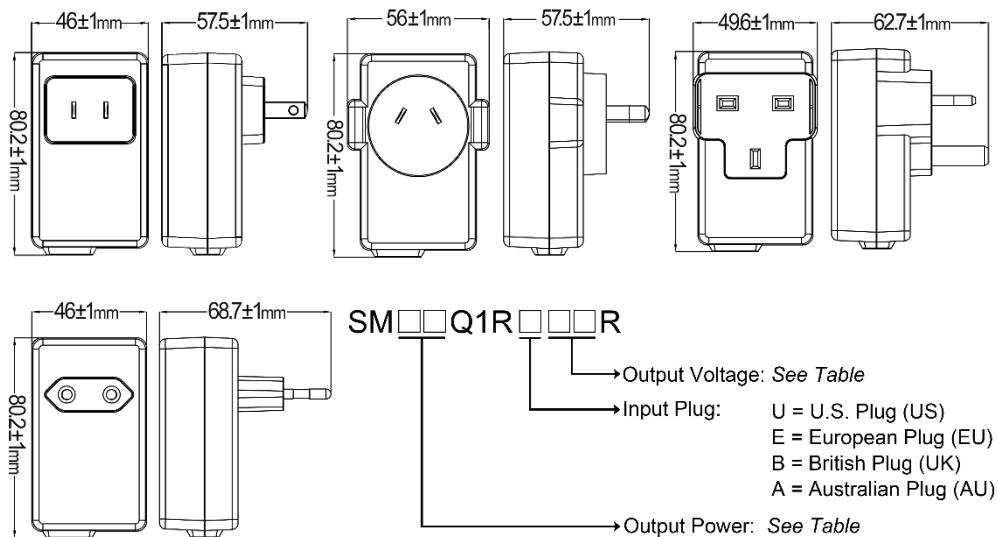


The SM07Q1RY – SM12Q1RY Series switch mode power supply offers 7 Watts to 12 Watts output power, with an output voltage range of 3.3 Vdc – 24 Vdc. Case style is a wall plug-in with choice of fixed U.S., Euro, U.K., or Australian prongs and meets ES, EN and IEC 60601-1 3.1 Edition safety approvals, IEC 60601-1-2 4<sup>th</sup> Edition EMC, IEC 60950-1 2<sup>nd</sup> Edition Safety approval, Energy Efficiency Level 6, and CoC Tier 2.



## Features:

- Dual ITE and Medical Approvals
- Fixed U.S., Euro, U.K., or Australian Prongs
- 2x MOPP Protection
- Touch Current: < 100  $\mu$ A (< 10  $\mu$ A optional)
- Over-Voltage, Over-Current, and Short Circuit Protection
- 100% Burn-In
- RoHS 2 Compliant
- Energy Efficiency Level: VI and CoC Tier 2
- Meets IEC 60950-1 2<sup>nd</sup> Edition
- Meets IEC 60601-1-2: 2014



## Electrical Information

<b>Input Voltage</b>	90 to 264 Vac
<b>Input Frequency</b>	47 to 63 Hz
<b>Input Current</b>	0.32 – 0.19 A
<b>Over-Voltage Protection</b>	Unit is protected from over-voltage conditions
<b>Over-Current Protection</b>	Unit is protected from over-current conditions
<b>Hold-Up Time</b>	10 ms
<b>Operating Temperature</b>	0 - 40°C
<b>Storage Temperature</b>	-20 - 80°C
<b>Weight</b>	140 – 144 g (Ref.)
<b>Industry Compliance</b>	RoHS 2, Energy Efficiency Level VI, and CoC v5 Tier 2
<b>EMC Requirements</b>	IEC 60601-1-2: 2014 4 <sup>th</sup> Edition
<b>EMI Requirements</b>	Meets Conduction and Radiation Limits of: Class B: FCC Part 18, CISPR-11, EN 55011
<b>Safety Compliance</b>	<b>U.S.:</b> UR/c-UR (ES60601-1: 3.1 Edition), PSE, BSMI, FCC, CB (IEC 60950-1: 2 <sup>nd</sup> Edition) <b>E.U., U.K., A.U.:</b> TUV T- Mark (EN/IEC 60950-1: 3.1 Edition), CE, CB (IEC 60950-1: 2 <sup>nd</sup> Edition), TUV/GS, RCM (AU Only)

Output Voltage	Output Current	Output Power (Max.)
3.3 Vdc	2.00 A	6.6 W
5.0 Vdc	2.00 A	10.0 W
5.0 Vdc	3.00 A	15.0 W
5.9 Vdc	2.00 A	11.8 W
9.0 Vdc	1.20 A	10.8 W
12.0 Vdc	1.00 A	12.0 W
15.0 Vdc	0.80 A	12.0 W
18.0 Vdc	0.66 A	12.0 W
24.0 Vdc	0.50 A	12.0 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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