



### Features:

- Universal Input 100 – 240 VAC
- 12 VDC to 48 VDC
- Over-Current Protection
- Over-Voltage Protection
- Short Circuit Protection
- 100% Burn-In
- RoHS Compliant
- CEC Efficiency Level: V



### Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	2.8A Max.
Safety Ground Leakage Current	3.5mA Max. @ Full Load

### Output

Output Voltage & Current	<b>See Chart</b>
Ripple & Noise (P-P)	3%~5% Max., Full Load
Over-Voltage Protection	Unit is Protected to Over-Voltage Conditions
Over-Current Protection	Output Protected to Short Circuit Conditions
Transient Response	Full Load to Half Load: 0.5mS Max.

### Environmental

Operating Temperature	0°C to 70°C
Derating	Derated from 100% at +40°C to 50% at +70°C
Storage Temperature	-20°C to 80°C
Relative Humidity	5% to 95% Non-Condensing

### Electrical

Efficiency	Meets CEC Level V Criteria
No Load Power Consumption	≤0.3 Watts
Hold-Up Time	10mS @ Full Load
Load Regulation	±5% Typical
Withstanding Voltage	3000 VDC from Primary to Secondary
Mean Time Between Failure (MTBF)	50,000 Hours Min., Full Load at 25°C Ambient

### Safety

EMI Requirements	Meets Conduction Limits of: (A) FCC Part 15 Class B (B) EN55022 Class B
Safety Standards	Meets or Exceeds: (A) UL/ C-UL (B) FCC (C) CB (D) CE (E) GS (F) PSE (G) BSMI



## SP200Q Series

Desk-Top, Switchmode Power Supply  
RoHS Compliant, CEC Efficiency Level V

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### Output Voltage and Current Chart

Model Number**	Output Voltage	Output Current	Total Regulation	Maximum Output Power
SP200QY12R	12 VDC	16.0 A	5%	192W
SP200QY18R	18 VDC	11.0 A	5%	200W
SP200QY19R	19 VDC	10.5 A	5%	200W
SP200QY20R	20 VDC	10.0 A	5%	200W
SP200QY24R	24 VDC	8.3 A	5%	200W
SP200QY48R	48 VDC	4.2 A	5%	200W

\*\* To Determine Part Number:

- Replace "Y" with Required Input Socket Style Designation: C6 = "6", C14 = "9"
- Note: For Optional On/Off Switch (C19 Input Socket Only), Order as SP200Q9XXSR, Where "XX" Is the Output Voltage.

Example: SP200Q924R indicates a 24VDC Unit with C14 Input Socket.

Note: Output connector to be specified.

The cable length, wire gauge, and output connector will be dependant on CEC requirements for each current level.



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# SP200Q Series

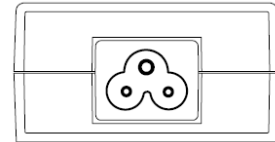
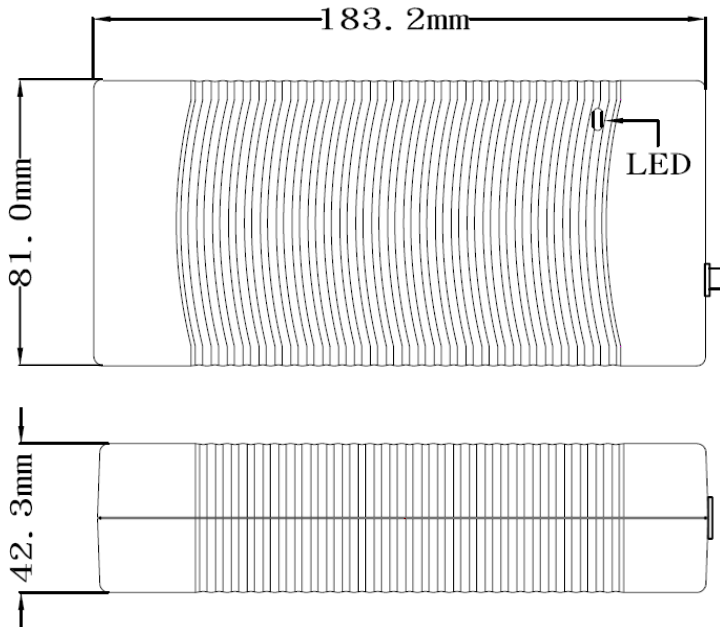
Desk-Top, Switchmode Power Supply  
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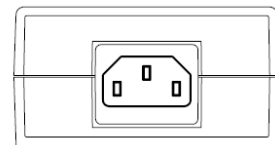
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## No On/Off Switch:

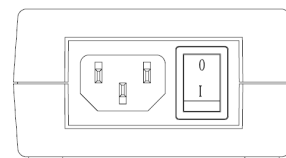
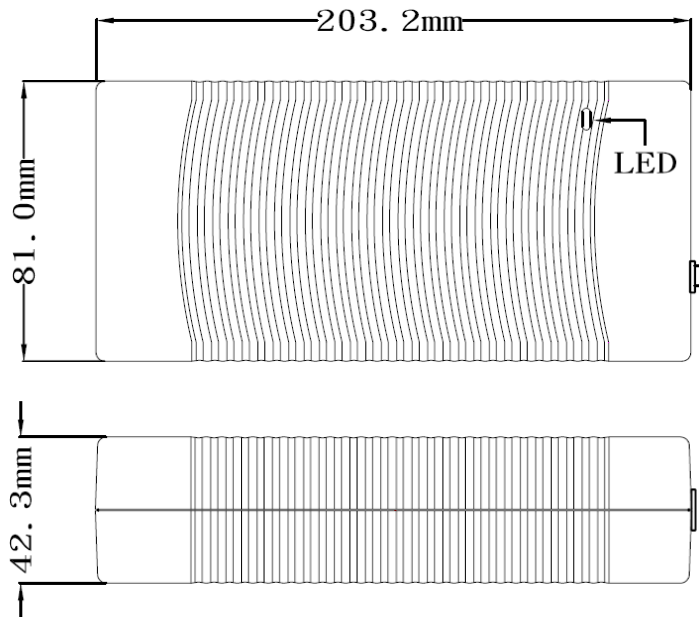


Order as: SP200Q6XXR



Order as: SP200Q9XXR

## With On/Off Switch:



Order as: SP200Q9XXSR



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