

# TR 20B Series 20W Switching Adapter



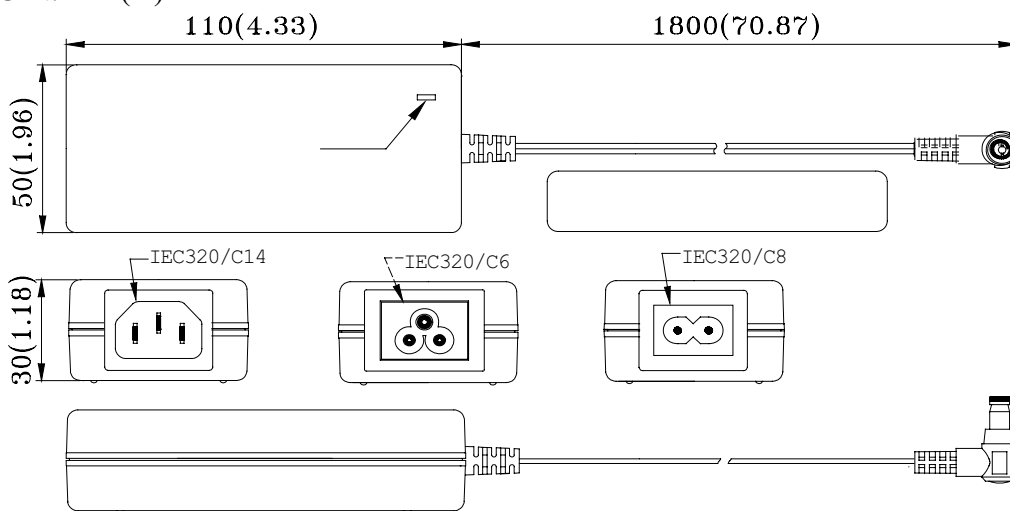
## SMX POWER

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FEATURES	SPECIFICATIONS																								
<ul style="list-style-type: none"> <li>■ Universal Input: 90 ~ 264Vac</li> <li>■ Continuous Short Circuit Protection</li> <li>■ Over Voltage Protection</li> <li>■ Conductive EMI Meets CISPR/FCC Class B</li> <li>■ High Efficiency at 75% Typical</li> <li>■ Green Power (Input power&lt;0.75W at no load)                      Meets "European Commission of Energy" 2003 year Phase 2</li> </ul> <p>NOTE 1: Voltage accuracy is set at 60% full load,                      2: Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple &amp; Noise measuring @20MHz BW.                      3: Line regulation is measured from 100Vac to 240Vac with full load.                      4: Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full load)</p>	<ul style="list-style-type: none"> <li>■ Input Characteristics</li> </ul> <table border="1"> <tr> <td>Voltage</td> <td>90 ~ 264Vac</td> </tr> <tr> <td>Frequency</td> <td>47 to 63Hz</td> </tr> <tr> <td>Input Current</td> <td>0.6A max.</td> </tr> <tr> <td>Inrush Current</td> <td>50A max. @ 264VAC</td> </tr> <tr> <td>Input power (No load)</td> <td>0.75W max. @240VAC</td> </tr> </table> <ul style="list-style-type: none"> <li>■ Output Characteristics</li> </ul> <table border="1"> <tr> <td>Hold-up Time</td> <td>10mS typ. @ 115VAC</td> </tr> <tr> <td>Short Circuit Protection</td> <td>Continuous (Auto Recovery)</td> </tr> <tr> <td>Over Voltage Protection</td> <td>YES</td> </tr> </table> <ul style="list-style-type: none"> <li>■ Environmental Characteristics</li> </ul> <table border="1"> <tr> <td>Operating Temperature</td> <td>0 ~ 40°</td> </tr> <tr> <td>Storage Temperature</td> <td>-20 ~ 85°</td> </tr> </table> <ul style="list-style-type: none"> <li>■ Mechanical Outline</li> </ul> <table border="1"> <tr> <td>Dimensions</td> <td>110x50x30 mm(4.33x1.96x1.18 inches)</td> </tr> <tr> <td>Weight</td> <td>200g (0.44 Pounds)Typical</td> </tr> </table> <p>□ Typical at 25°, nominal line and 75% load, unless otherwise Specified.                      □ TR20BXXX =IEC320/C14 , TR20BXXXA=IEC320/C6 , TR20BXXXB=IEC320/C8</p>	Voltage	90 ~ 264Vac	Frequency	47 to 63Hz	Input Current	0.6A max.	Inrush Current	50A max. @ 264VAC	Input power (No load)	0.75W max. @240VAC	Hold-up Time	10mS typ. @ 115VAC	Short Circuit Protection	Continuous (Auto Recovery)	Over Voltage Protection	YES	Operating Temperature	0 ~ 40°	Storage Temperature	-20 ~ 85°	Dimensions	110x50x30 mm(4.33x1.96x1.18 inches)	Weight	200g (0.44 Pounds)Typical
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Model	Output Voltage	Max. Load	Min. Load	Ripple & Noise	Voltage Accuracy	Line Regulation	Load Regulation
TR20B033	3.3 V	4500mA	0 V	50mVp-p	± 3%	± 1%	± 7%
TR20B050	5 V	4000mA	0 V	50mVp-p	± 2%	± 1%	± 6%
TR20B090	9 V	2300mA	0 V	90mVp-p	± 2%	± 1%	± 3%
TR20B120	12 V	1700mA	0 V	100mVp-p	± 2%	± 1%	± 2%
TR20B150	15 V	1400m A	0 V	100mVp-p	± 2%	± 1%	± 2%
TR20B180	18 V	1200m A	0 V	150mVp-p	± 2%	± 1%	± 2%
TR20B240	24 V	850mA	0 V	150mVp-p	± 2%	± 1%	± 2%

Unit: mm (in)



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