



FEATURES

- 90~264 VAC Universal Input
- 200W Continuous Power
- 0.9 Active Power Factor
- Thermally-Controlled Cooling Fan
- No Load Power Consumption < 0.5W

ELECTRICAL SPECIFICATIONS

Input Voltage	90~264 VAC
Rated Input Voltage	100~240 VAC
Input Frequency	47~63 Hz
Input Current	3A (rms) @ 90 VAC, 1.5A (rms) max. @ 264 VAC
Earth Leakage Current	228µA max. @ 264 VAC
Power Factor	0.9 min. at full load, 115 VAC/230 VAC
No Load Power Consumption	0.5W max.
Output Voltage, 12V~48V	CEC & Energy Star Level V
Output Current	See table
Output Power	200W
Voltage Regulation	±5%
Ripple and Noise	See table

GENERAL SPECIFICATIONS

Efficiency	87% min. at avg. load, 115/230 VAC
Switching Frequency	56KHz ±5%
Hold-up Time	16ms min. typical at full load, 115 VAC
Operating Temperature	-20°C to +50°C
Storage Temperature	-20°C to +85°C
Operating Humidity	10% to 95%
Short-Circuit Protection	Auto-recovery
Over-Load Protection	Auto-recovery
Over-Voltage Protection	Latch, AC recycle
Withstand Voltage	5656VDC from input to output 2121VDC from input to ground
MTBF	140K hrs minimum at full load and 25°C ambient, calculated per MIL-HDBK-217F

STANDARDS & COMPLIANCES

EMC Standards	EN60601-1-2, EN55011 Class B, FCC Part 18 Class B
Safety Standards	UL60601-1, EN60601-1, CSA C22.22 No. 60601-1, IEC60601-1
Agency Approvals	UL, cUL, TUV, CB, CE
Other Compliances	RoHS, CEC Level V, EISA, Energy Star Level V

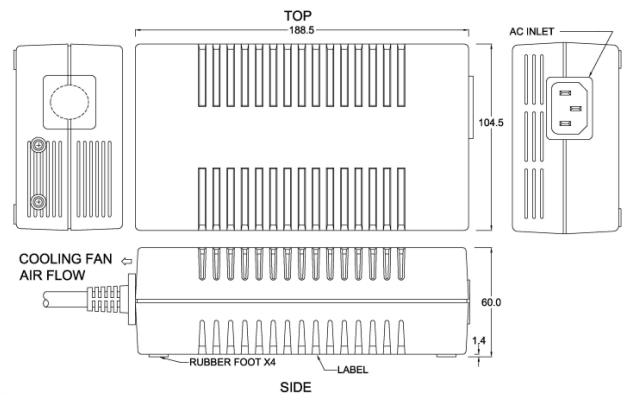


MODELS LIST

Product No.	Output Voltage	Output Current	Ripple & Noise (Vp-p)*	Max. Output Power
TMA200-12	12V	16.66A	240mV	200W
TMA200-16	16V	12.50A	300mV	200W
TMA200-19	19V	10.53A	300mV	200W
TMA200-20	20V	10A	300mV	200W
TMA200-24	24V	8.33A	300mV	200W
TMA200-36	36V	5.555A	300mV	200W
TMA200-48	48V	4.166A	300mV	200W

* Peak-to-peak with 20MHz bandwidth with a tantalum 10µF in parallel with 0.1µF ceramic capacitor.

MECHANICAL SPECIFICATIONS

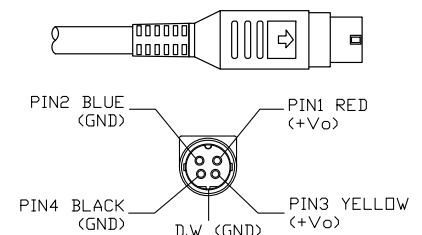


Notes:

1. Dimensions: mm
2. AC Inlet: IEC320/C14 standard
3. Tolerance: ±0.5mm
4. Standard Output Cable: D643 (AWM 2464 #16AWG/4C + Shielding, UL 80°C 300V VW-1, 1000±30mm minimum)
5. Weight: 1060 grams

OUTPUT CONNECTOR & PINOUT

PIN	FUNCTION
1	+Vo
2	GND
3	+Vo
4	GND



Standard Output Connector: 4-pin DIN connector.
Contact TRUMPower for other output connector options.