



FEATURES

- IEC 320/C14 AC Inlet
- Optional On/Off Switch
- Optional +5V/2A Standby Power
- Built-in Cooling Fan with Speed Control
- Compliant with RoHS Requirements

INPUT SPECIFICATIONS

Input Voltage Range 90~264 VAC
 Input Frequency 47~63Hz
 Input Current 2A rms @ 90 VAC;
 1A rms @ 264 VAC
 Inrush Current 25A max. @ 115 VAC at 25°C;
 50A max. @ 230 VAC at 25°C
 Power Factor 0.95 min. @ 115 VAC
 0.90 min. @ 230 VAC

OUTPUT SPECIFICATIONS

Output Power 150W max.
 Output Voltage See table
 Output Current See table
 Output Regulation ±5%
 Ripple and Noise* See table
 Hold-up Time 10ms max. typical @ 115 VAC
 Overvoltage Protection Auto-recovery; Shutdown if +5Vsb
 power exists
 Overload Protection Auto-recovery; Shutdown if +5Vsb
 power exists
 Short Circuit Protection Auto-recovery; Shutdown if +5Vsb
 power exists

* Ripple & Noise is maximum peak-to-peak voltage value measured at output within 20MHz bandwidth, at rated line voltage and output load ranges, and with a 10µF electrolytic capacitor in parallel with a 0.1µF ceramic capacitor across the output connector.

GENERAL SPECIFICATIONS

Efficiency 80% min. @ full load, 115VAC
 Switching Frequency 50KHz
 Operating Temperature 0°C to +70°C
 Storage Temperature -10°C to +70°C
 Operating Humidity 20%~90% non-condensing
 Derating Derate linearly 2.5% per °C, from
 51°C to 70°C
 Withstand Voltage 4,242VDC input to output ;
 2,121VDC input to ground
 MTBF 100K hours min. @ full load, 25°C
 ambient, calculated per
 MIL-HDBK-217F



MODELS LIST

Product No.	Output Rating		Max. Power	Ripple & Noise*
	Voltage	Max. Current		
TPA150-D21	+5V	15A	150W	50mV
	+12V	8A		120mV
TPA150-D25	+5V	15A	150W	50mV
	+19V	5A		190mV
TPA150-D26	+12V	12A	150W	120mV
	-12V	1.5A		120mV
TPA150-T31	+5V	15A	150W	50mV
	+12V	8A		120mV
	-12V	1.5A		120mV
TPA150-Q40	+3.3V	6A	150W	50mV
	+5V	7A		50mV
	+12V	8A		120mV
	-12V	1.5A		120mV

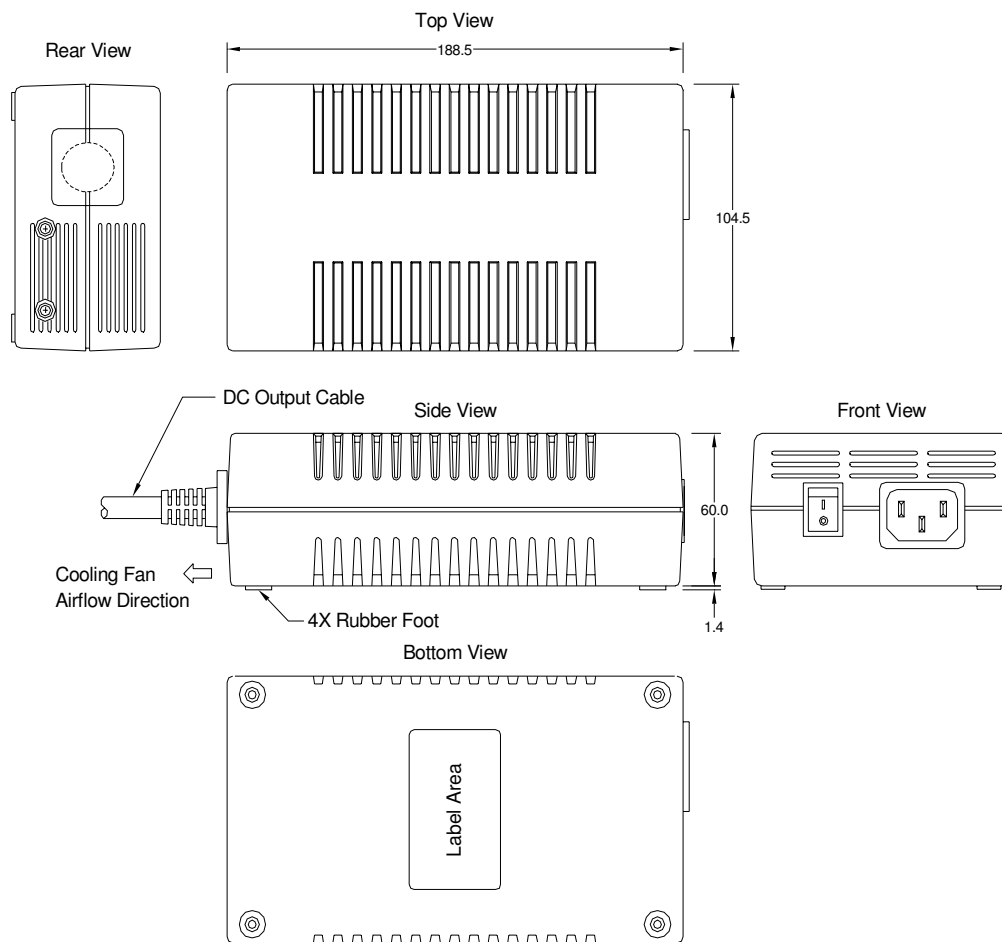
Notes:

- 1) Add suffix "-V" to the P/N when ordering units with +5V/2A standby power.
- 2) Add suffix "-S" to the P/N when ordering units with on/off switch.
- 3) Other outputs available upon request.

STANDARDS & COMPLIANCES

EMC Standards FCC/CISPR22/CE/EN 55022 Class B
 Safety Standards UL 60950-1, EN/IEC 60950-1,
 CSA C22.2 No.60950-1
 Agency Approvals UL, cUL, TUV, FCC, CB, CE
 Other Compliance RoHS

MECHANICAL SPECIFICATIONS



Notes:

1. Dimensions in mm
2. Tolerance: ± 0.5 mm
3. Weight: 0.98 kgs (2.16 lbs) approx.
4. Standard output cables: AWM 2464 #18/20 AWG / 4C~8C + shielding, UL 80°C, 300V, VW-1, 1050mm;
AWM 2464 #18C + shielding, UL 80°C, 300V, VW-1, 1050mm
5. Contact us for output connectors selection.