



FEATURES

- 12-26V, 33-39V, 44-52V Outputs Available
- Up to 150W Continuous Output Power
- 0.9 to 0.95 Power Factor
- No Load Power Consumption < 0.5W
- CEC, Energy Star, ERP& EISA Efficiency Level V Compliant

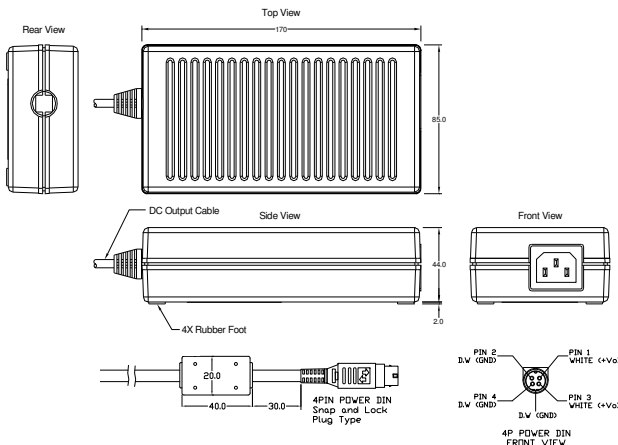
INPUT & OUTPUT SPECIFICATIONS

Input Voltage 90 to 264 VAC
 Input Frequency 47 to 63 Hz
 Input Current 2.5A (rms) max. @ 90 VAC;
 1.25A (rms) max. @ 264 VAC
 No Load Power Consumption <0.5W
 Output Voltage & Current See table
 Output Power 150W max.
 Output Voltage Regulation +5% / -2%
 Ripple and Noise See table
 Short-Circuit Protection Yes, Auto recovery
 Overload Protection Yes, Auto recovery
 Overvoltage Protection Latch & shutdown, AC recycle

GENERAL SPECIFICATIONS

Switching Frequency 50 to 125 KHz
 Efficiency 87% minimum at average load,
 115 VAC/230 VAC input
 Power Factor >0.95 @ 115 VAC, >0.90 @
 230 VAC at full load
 Hold-up Time >20 ms typical at full load,
 115 VAC input
 Inrush Current 65A peak @ 115 VAC,
 130A peak @ 264 VAC,
 cold start @ 25°C
 Withstand Voltage 3,000 VAC, input to output
 1,500 VAC, input to ground
 500 VAC, output to ground
 MTBF >140,000 hours at full load
 and 25°C ambient, calculated
 per MIL-HDBK-217F

MECHANICAL SPECIFICATIONS



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature 0°C to +60°C ambient
 Derating Derate from 100% at +40°C
 linearly to 50% at +60°C
 Storage Temperature -10°C to +85°C
 Operating Humidity 20% to 90%

STANDARDS & COMPLIANCES

EMC Standards FCC/EN 55022/CISPR22, Class B
 Safety Standards UL 60950-1, EN/IEC 60950-1,
 CSA C22.2 No. 60950-1
 Agency Approvals UL, cUL, TUV, CB, CE (LVD)
 Other Compliances CEC, Energy Star, ERP & EISA
 efficiency level V, RoHS

MODELS LIST

Product No.	Output Voltage	Max. Output Current	Ripple & Noise (Vp-p)*	Max. Output Power
TWA150-12	12V	11.67A	240mV	140W
TWA150-15	15V	10A	300mV	150W
TWA150-19	19V	7.9A	380mV	150W
TWA150-24	24V	6.25A	480mV	150W
TWA150-36	36V	4.17A	480mV	150W
TWA150-48	48V	3.13A	480mV	150W

*Measured at output within 20 MHz bandwidth, at rated line voltage and output load range, and with a 10 µF tantalum capacitor in parallel with a 0.1 µF ceramic capacitor across the output.

OUTPUT CONNECTOR	
PIN	FUNCTION
1	+V
2	RETURN
3	+V
4	RETURN
SHELL	RETURN & AC GROUND

Notes:

1. Dimensions in mm
2. Tolerance: ±0.5mm
3. Output cable: 1,050 mm; AWM 1571 #14 AWG on 12-24V models, AWM 1185 #16 AWG on 36-48V models.
4. Mating connector: Kycon P/N KPJX-4S-S or equivalent