

FEATURES

- 9Vdc to 58Vdc Outputs (1V increments)
- Active Power Factor Correction
- Harmonic Current Correction
- Wide Range Input
- Overload, Over Voltage and Short Circuit Protection
- UL/cUL 60601, EN60601
- CE Compliant
- Thermally Controlled Fan
- Optional Over Temperature Protection
- Optional Output Connectors

260W Medical Adapter

DT-M250 Series



SPECIFICATION

Model		DT-M250-09-B	DT-M250-12-B	DT-M250-20-B	DT-M250-24-B	DT-M250-48-B	DT-M250-58-B
Output Requirements	Voltage (1)	9V	12V	20V	24V	48V	4.5A
	Current Range	0 ~ 20A	0 ~ 21.67A	0 ~ 13A	0 ~ 10.83A	0 ~ 5.42A	0 ~ 4.5A
	Rated Power	180W	260W	260W	260W	260W	260W
	Ripple & Noise (2)	1% Pk to Pk (Max.)					
	Voltage Tolerance	±5%					
	Line Regulation	±0.5%					
	Load Regulation	±1%					
	Setup, Rise Time	All output shall reach their steady state values within 3 Sec. of turn on					
	Hold Time	16mS min.					
Input Requirements	Voltage	90V ~ 264VAC					
	Frequency	47Hz / 63Hz					
	Efficiency (Typ. @ 115V AC)	75%	85%	85%	85%	85%	85%
	AC Current	4.0A @ 120VAC (Max.)					
	Inrush Current	Will not exceed 30A / 115VAC, Cold Start, 25°C (Max.)					
	Leakage Current	<300 uA					
	Protections	Overload	110-130 % rated output power				
		Protection type : Hiccup mode, recovers automatically after fault condition is removed					
Short Circuit		Protection type : Hiccup mode, recovers automatically after fault condition is removed with no damage to power supply					
Over Voltage		110% ~ 150% rated output voltage					
		Protection type : Hiccup mode, recovers automatically after fault condition is removed					
Environmental	Temperature	Operational		0°C ~ 40°C			
		Storage		- 40 ~ +80°C			
	Humidity	Operational		20 ~ 90% RH non-condensing			
		Storage		5 ~ 95% R.H			
	Temperature Coefficient	±0.05%/°C typical on all outputs					
	Vibration	3G, 10-25Hz, 15min. Per cycle for each axis (X, Y, Z)					



Model		DT-M250-09-B	DT-M250-12-B	DT-M250-20-B	DT-M250-24-B	DT-M250-48-B	DT-M250-58-B
Safety & EMC	Safety Standards	UL/cUL 60950-1, DEMKO and CB					
	Withstand Voltage	I/P - O/P: 3KVAC (4242 DC), 10mA for 1 minute					
	Isolation Resistance	I/P - O/P, I/P - case: 10M Ohms / 500VDC					
	EMI Conduction & Radiation	EN55022 , FCC Class B					
	EMS Immunity	EN61204, EN61000-3-2, EN61000-3-3					
Others	MTBF	30K HRS Compliance: MIL-HDBK-217F					
	Dimension (L*W*H)	190*95*50 (mm) - 7.49*3.74*1.97 (inch)					
	Weight	0.18kg - 0.40Lb					

PIN ASSIGNMENT

Connector	AC	DC
	Input	Output
PIN 1		+V
PIN 2		+V
PIN 3		-V
PIN 4		-V
	IEC320-C14	Molex 39-01-2060

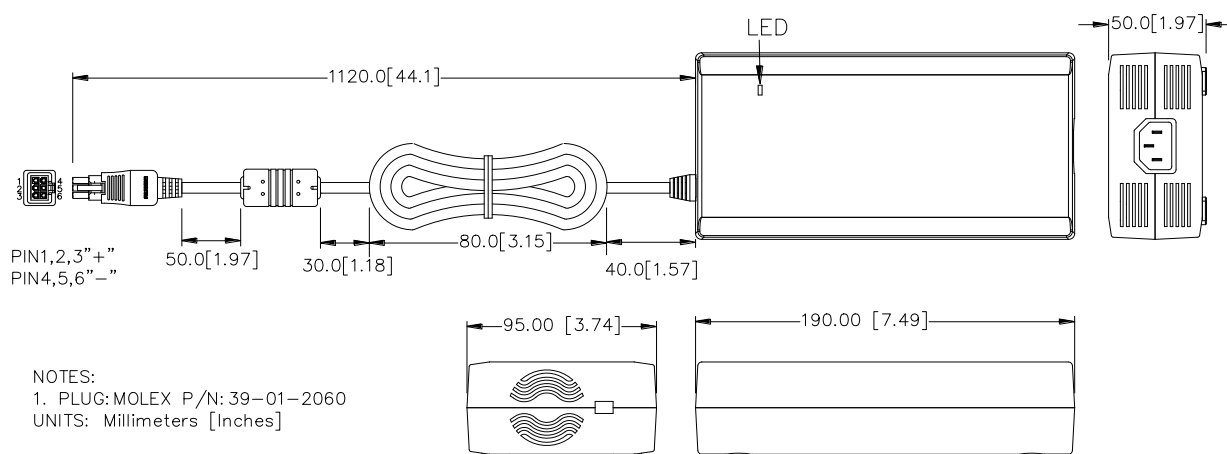
SHIPPING SPECIFICATIONS

Series	UNITSP PER CARTON	CARTON WEIGHT	
DT-250	12.0	14.11 Kgs	31.11 Lbs

INDIVIDUAL BOX DIMENSIONS		WIDTH	LENGTH	HEIGHT
Series	Inch	5.12	8.66	3.15
DT-250	mm	130.0	220.0	80.0



SPECIFICATION



NOTES:

1. This family is from 9V to 58V in 1V increments, please consult Autec Sales with the right model # for your application.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Line regulation is measured from low line to high line at rated load.
5. Load regulation is measured from 0% to 100% rated load.
6. Specification subject to change without notice.