

### 50W Triple Output Switching Power Supply



ET-50...

#### Feature

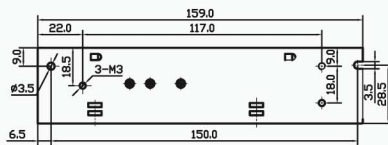
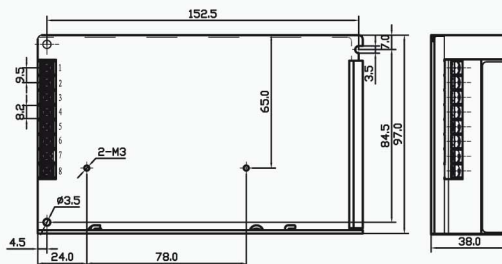
- High efficiency, high reliability, low cost
- AC input range selected by switch
- 100% full load burn-in test
- Protections: Short circuit/ Over load
- Cooling by free air convection
- Fixed switching frequency at 24KHz
- 1 year warranty
- Dimensions: 159\*97\*38mm(L\*W\*H)

#### Notes:

- All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair wire terminated with a 0.1μf & 47μf parallel capacitor.
- Tolerance: includes set up tolerance, line regulation and load regulation

Model	ET-50A			ET-50B			ET-50C			ET-50D			
	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
Output	DC Voltage	5V	12V	-5V	5V	12V	-12V	5V	15V	-5V	5V	12V	24V
	Voltage Tolerance	±2%	±5%	±5%	±2%	±5%	±5%	±2%	±5%	±5%	±2%	±6%	±6%
	Rated Current	7A	1A	1A	5A	1A	1A	4A	1A	1A	3A	1A	1A
	Current Range	0.6-7A	0.2-1A	0.2-1A	0.6-5A	0.2-1A	0.2-1A	0.6-4A	0.2-1A	0.2-1A	0.6-4A	0.2-1.2A	0.2-1.2A
	Rated Power	52W			49W			50W			51W		
	Ripple & Noise	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	50mV	120mV	120mV
	DC Voltage adi. Range	CH1: -5%, +10%											
Setup,Rise,Hold Time	200ms,100ms,30ms at full load												
Input	Voltage Range	85-132 VAC/170-264VAC 47-63 Hz; selected by switch 40-370VDC											
	AC Current	0.8A/115 V0.45A/ 230 V											
	Efficiency	66%			69%			71%			72%		
	Inrush Current	Cold start 20A/115V 40A/230V											
	Leakage Current	<0.5mA/240VAC											
Protection	Over Load	105%~150%											
		Protection type: Shut down o/p voltage, recovers automatically after fault condition is removed.											
Environment	Working Temp & Humidity	-10°C~+60°C; 20%~90 %RH											
	Storage Temp & Humidity	-20°C~+85°C; 10%~95 %RH											
	Vibration	10-500Hz, 2G 10min./1 cycle, period for 60min, each along X, Y, Z axes											
Safety	Withstand Voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC											
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M /500VDC											
Standards	Safety Standard	Design refer to UL1012											
Others	Weight	0.54Kg											
	Packing	30pcs/17Kg/0.86CUFT											

### Outline and dimension

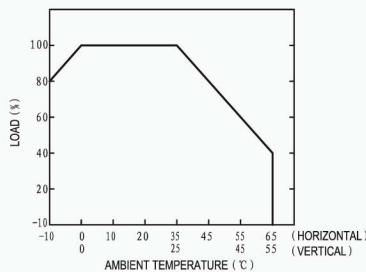


Terminal Pin No. Assignment:

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT	8	DC OUTPUT +11
2	AC/N	5, 7	DC OUTPUT COM		
3	FG	6	DC OUTPUT +12		

Type	T-50A	T-50B	T-50C	T-50D
Pin No.				
4	-5V	-12V	-15V	+24V

### Derating Curve



### Static Characteristics(B)

