



# Zecks Power Co., Ltd.

2F, NO.111-33, Sec. 4, San Ho Rd., San Chung City, Taipei, Taiwan, R.O.C.

Tel : 886-2-22870818 Fax : 886-2-22801351 E-Mail : [zecks@tpts4.seed.net.tw](mailto:zecks@tpts4.seed.net.tw)

## Specification of Enclosed Switching Power Supply

**Model No. EM-150 Series**  
**【Total Wattage 150W】**

Prepared By	Designed By	Approved By	Issued By

## Enclosed Switching Power Supply EM-150 Series

DC Voltage	5V	7.5V	9V	12V	24V	48V
Output Current	30A	20A	16.7A	12.5A	6.5A	3.2A
Output Tolerance	±2%	±1%	±1%	±1%	±1%	±1%
Ripple & Noise	100mV	120mV	120mV	120mV	150mV	150mV
Line Regulation	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%
Load Regulation	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%
Voltage Adjust	±10%	-20 / +10	-10 / +16	±10%	-12 / +17	-6 / +8
Efficiency	78%	80%	80%	82%	85%	85%

O.V.P : Min. 115% ~ 135% Max. (125% ~ 145% for DC48V)

O.L.P : 105% ~ 150% type holdback current shutdown

Recovery : re-power on

Timing : Setup = 100ms. , Rise = 50ms. , Hold up = 20ms.

Temperature Coefficient : ±0.03% / °C (0°C ~ 50°C)

Working : Temperature 10°C ~ 60°C, Humidity 20% ~ 90% RH  
(Reference to output derating curve)

Storage : Temperature -2°C ~ 80°C , Humidity 10% ~ 95% RH

AC Input Range : 90V ~ 132VAC / 180V ~ 264VAC , Selector by switch

Current : 115VAC/3.2A , 230VAC/1.6A      Frequency : 47Hz ~ 63Hz

Inrush current : Cold start 30A Max.

Vibration : 10~500Hz : 2G 3axes, 10min. / 1cycle (1hour/each axes)

Withstand voltage : I/P-O/P:3KV , I/P-FG:1.5KV, O/P-FG:0.5KV 1min.

Dimension : 199X110X50mm

Weight : 0.8Kg

Safety : UL,TUV,CSA,CE

EMC : CISPR-22 (EN55022), IEC801-2,3,4 , IEC555-2 Verification

- Note 1. All parameters are specified at 230VAC input, rated load, 25°C ambient.  
 2. Tolerance : include set up tolerance, line regulation, load regulation.  
 3. Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor.  
 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. C2.3.11 must be removed.