



- LOW COST HIGH RELIABILITY
- 105°C OUTPUT CAPACITOR
- INTERNATIONAL AC INPUT RANGE
- BUILT IN EMI FILTER,LOW RIPPLE NOISE
- HIGH EFFICIENCY,LOW WORKING TEMPERATURE
- SOFT-START CIRCUIT,LIMITING AC BURGE CURRENT
- SHORT CIRCUIT,OVERLOAD,OVER VOLTAGE PROTECTED

- COMPACT SIZE,LIGHT WEIGHT
- 100% FULL LOAD BURN-IN TEST

EM-150 SERIES

MODEL	EM-150-5	EM-150-7.5V	EM-150-9	EM-150-12	EM-150-15	EM-150-24	EM-150-27
SPECIFICATION							
DC OUTPUT VOLTAGE	5V	7.5V	9V	12V	15V	24V	27.7V
OUTPUT V.TOLERANCE	±2%	±1%	±1%	±1%	±1%	±1%	±1%
OUTPUT RATED CURRENT	30A	20A	16.7A	12.5A	10A	6.5A	5.6A
OUTPUT CURRENT RANGE	0~30A	0~20A	0~16.7A	0~12.5A	0~10A	0~6.5A	0~5.6A
RIPPLE & NOISE	100mVp-p	120mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p
LINE REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%
LOAD REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.3%	±0.2%	±0.2%
DC OUTPUT POWER	150W	150W	150W	150W	150W	150W	150W
EFFICIENCY	78%	80%	80%	82%	84%	85%	85%
DC VOLTAGE ADJ.	4.5-5.5V	6.7-8V	8-10.4V	10.6-13.2V	13.5-16.5V	21-28V	25-31V
INPUT VOLTAGE RANGE	88~132VAC / 178~264VAC SELECTED BY SWITCH						
INPUT FREQUENCY	47~63Hz						
AC CURRENT	3.2A/115V 1.6A/230V						
INRUSH CURRENT	COLD START 30A						
OVERLOAD PROTECTION	105%~150% TYPE HOLDBACK CURRENT SHUTDOWN RECOVERY:RE-POWER ON						
OVER VOLTAGE PROTECTION	115%~135%						125%~145%
OVER TEMP.PROTECTION	-----						
TEMP.COEFFICIENT	±0.03% / °C (0~50°C)						
SETUP,RISE,HOLD UP TIME	100ms ,50ms, 20ms						
VIBRATION	10~500Hz:2G 3AXES 10min, / 1cycle(1 HOURS / EACH AXES)						
WITHSTAND VOLTAGE	I/P-O/P:3KV , I/P-FG:1.5KV , O/P-FG:0.5KV 1min.						
WORKING TEMP,HUMIDITY	-10°C~+60°C, 20%~90% RH(REFER TO OUTPUT DERATION CURVE)						
STORAGE TEMP, HUMIDITY	-20°C~+80°C, 10%~95% RH						
DIMENSION	199*110*50mm						
WEIGHT	0.8Kgs						
SAFETY STANDARDS	UL 1012, TUV EN60950(IEC950,UL1950) APPROVED						
EMC STANDARDS	EN5022 CLASS B,EN61000-4-2,3,4,5 EN60555-2,3						

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.

APPROVED BY: _____ CHECKED BY: _____ PREPARED BY: _____