



Office:3F-9,NO.14,LANE 609,SEC.5,CHUNG SHIN RD.,SAN CHUNG CITY,TAIPEI HSIEN,R.O.C.

TEL: (02)2278-2506(REP) FAX: (02)2278-1792

E-mail: service@atngpower.com.tw

REV:1

- 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

## EMA-150 SERIES

MODEL	EM-150-5	EM-150-12	EM-150-15	EM-150-24	EM-150-27.7	EM-150-48
SPECIFICATION						
DC OUTPUT VOLTAGE	5V	12V	15V	24V	27.7V	48V
OUTPUT V.TOLERANCE	±2%	±1%	±1%	±1%	±1%	±1%
OUTPUT RATED CURRENT	30A	12.5A	10A	6.25A	5.42A	3.2A
OUTPUT CURRENT RANGE	0~30A	0~12.5A	0~10A	0~6.25A	0~5.42A	0~3.2A
RIPPLE & NOISE	50mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
DC OUTPUT POWER	150W	150W	150W	150W	150W	150W
EFFICIENCY	82%	86%	87%	88%	89%	90%
DC VOLTAGE ADJ.	4.5-5.5V	10.6-13.2V	13.5-16.5V	21-28V	25-31V	45-52V
INPUT VOLTAGE RANGE	100-240VAC, FULL RANGE					
POWER FACTORY	PF>0.95					
INPUT FREQUENCY	47-63Hz					
AC CURRENT	2.0A-1.0A					
INRUSH CURRENT	COLD START 50A					
OVERLOAD PROTECTION	120%~160% TYPE HOLDBACK CURRENT SHUTDOWN RECOVERY:RE-POWER ON					
OVER VOLTAGE PROTECTION	115%~135%					125%~145%
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~+40°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	Refer to EN60950(IEC950,UL1950)					
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: \_\_\_\_\_