MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

AD-155 SERIES

.LOW COST, HIGH RELIABILITY
.105◦C OUTPUT CAPACITOR
.INTERNATIONAL AC INPUT RANGE
.COMPACT SIZE, LIGHT WEIGHT
.100% FULL LOAD BURN-IN TEST
.BUILT IN EMI FILTER, LOW RIPPLE NOISE
.HIGH EFFICIENCY, LOW WORKING TEMPERATURE
.SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
.SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE PROTECTED



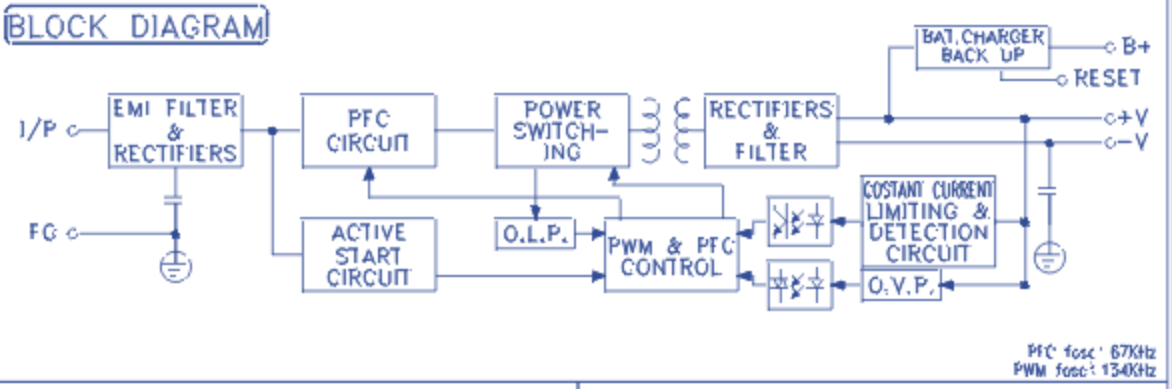
MODEL / SPECIFICATION	AD-155A		AD-155B		AD-155C	
	CH1	CH2	CH1	CH2	CH1	CH2
DC OUTPUT VOLTAGE	13.8V	13.3V	27.6V	27.1V	54V	53.5V
OUTPUT V. TOLERANCE	±2%	----------	±1%	----------	±1%	----------
OUTPUT RATED CURRENT	10.5A	0.5A	5A	0.5A	2.7A	0.2A
OUTPUT CURRENT RANGE	0-11.5A	0-0.5A	0-5.5A	0-0.5A	0-2.7A	0-0.5A
RIPPLE & NOISE	150mVp-p	----------	150mVp-p	----------	240mVp-p	----------
LINE REGULATION	±0.5%	----------	±0.5%	----------	±0.5%	----------
LOAD REGULATION	±0.5%	----------	±0.5%	----------	±0.5%	----------
DC OUTPUT POWER	151.55W		151.55W		156.5W	
EFFICIENCY	80%		84%		84%	
DC VOLTAGE ADJ.	CH1:12-14.5V		CH1:24-29V		CH1:48-58V	
INPUT VOLTAGE RANGE	88~264VAC 47~63Hz; 124~370VDC					
AC CURRENT	2.5A/115V 1.5A/230V					
INRUSH CURRENT	COLD START 20A/115V 40A/230V					
LEAKAGE CURRENT	<1mA/240VAC					
OVERLOAD PROTECTION	CH1:105%~135% CH2:0.51~0.9A TYPE:CONSTANT CURRENT LIMITING RESET:AUTO RECOVERY					
OVER VOLTAGE PROTECTION	CH1:115%~135% TYPE:SHUTDOWN					
BATTERY LOW PROTECTION	10V±0.8V		19.5V(+1.5V, -1V)		39V±2V	
TEMP. COEFFICIENT	±0.03% / ◦C (0~50◦C)					
SETUP, RISE, HOLD UP TIME	2s, 90ms, 16ms/115VAC 1s, 90ms, 20ms / 230VAC					
POWER FACTOR	PF>0.92					
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms					
WORKING TEMP., HUMIDITY	-10◦C~+60◦C(REFER TO OUTPUT DERATING CURVE), 20%~90% RH					
STORAGE TEMP., HUMIDITY	-20◦C~+85◦C, 10%~95% RH					
DIMENSION	199*110*50mm CASE:906					
WEIGHT	1Kg					
SAFETY STANDARDS	UL1950, TUV EN60950 APPROVED					
EMC STANDARDS	CISPR22(EN55022)CLASS B,EN61000-4-2,3,4,5,6,8,11;ENV50204,EN61000-3-2,-3					

NOTE :
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25◦C 70% RH. 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 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD.
6.EACH OUTPUT PROVIDE UP TO MAXIMUM CURRENT, BUT TOTAL LOAD CAN NOT EXCEED MAX. OUTPUT POWER.

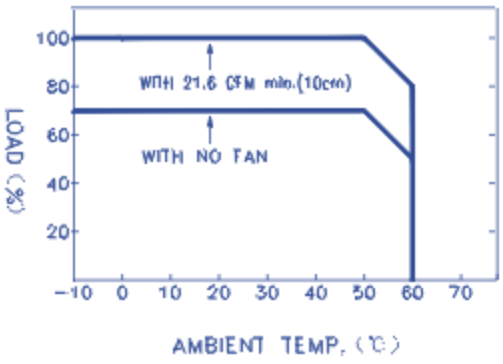
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AD-155 SERIES

BLOCK DIAGRAM

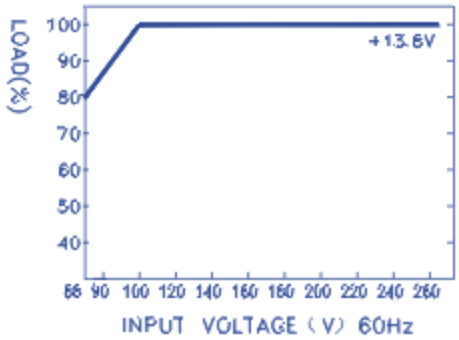


OUTPUT DERATING VS Ta



OUTPUT DERATING VS INPUT VOLTAGE

MODEL : AD-155A



DIMENSION (mm)

- CASE : 906
- TERMINAL PIN NO. ASSIGNMENT
  - PIN 1,2 : AC INPUT
  - PIN 3 : FG ⏚
  - PIN 4 : NC
  - PIN 5 : BAT. +
  - PIN 6 : BAT. -/COM
  - PIN 7 : DC OUTPUT COM
  - PIN 8 : DC OUTPUT +V

