



155W Double Output with PFC Function

155 W
MW AD-155 series



Features :

- . Universal AC input / full range
- . Built-in active PFC function, PF>0.95
- . Protections: short circuit/ over load/ over voltage/ over temperature
- . 100% full load burn-in test
- . High efficiency, low working temperature
- . Soft-start circuit, limiting AC surge current
- . Low cost, high reliability



SPECIFICATION	MODEL	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		81%		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%CH2:0.5I-0.9A TYPE:CONSTANT CURRENT LIMITING RESET-AUTO RECOVERY					
OVER VOLTAGE PROTECTION		CH1:115%~135% TYPE:SHUTDOWN					
BATTERY LOW PROTECTION		10V±0.5V		19.5V±1V		39V±2V	
TEMP. COEFFICIENT		±0.03% / °C (0~50°C)					
SETUP, RISE, HOLD UP TIME		1.6s, 90ms, 16ms/115VAC 900ms, 90ms, 20ms / 230VAC					
POWER FACTOR		PF>0.95					
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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