



■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage
- Battery low and battery polarity protection
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at PFC 67KHz, PWM 134KHz
- 2 years warranty

■ GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx







SPECIFICATION

MODEL		AD-155A		AD-155B		AD-155C	AD-155C	
ОИТРИТ	OUTPUT NUMBER	CH1	CH2	CH1	CH2	CH1	CH2	
	DC VOLTAGE	13.8V	13.3V	27.6V	27.1V	54V	53.5V	
	RATED CURRENT	10.5A	0.5A	5A	0.5A	2.7A	0.2A	
	CURRENT RANGE	0 ~ 11.5A	0 ~ 0.5A	0 ~ 5.5A	0 ~ 0.5A	0 ~ 2.7A	0 ~ 0.5A	
	RATED POWER	151.55W		151.55W		156.5W		
	RIPPLE & NOISE (max.) Note.2	150mVp-p		150mVp-p		240mVp-p		
	VOLTAGE ADJ. RANGE	CH1: 12 ~ 14.5V		CH1: 24 ~ 29V	CH1: 24 ~ 29V		CH1: 48 ~ 58V	
	VOLTAGE TOLERANCE Note.3	±2.0%		±1.0%		±1.0%		
	LINE REGULATION	±0.5%		±0.5%		±0.5%		
	LOAD REGULATION	±0.5%		±0.5%		±0.5%		
	SETUP, RISE TIME	1000ms, 90ms/230VAC 2000ms, 90ms/115VAC at full load						
	HOLD UP TIME (Typ.)	24ms/230VAC 20ms/115VAC at full load						
INPUT	VOLTAGE RANGE	88 ~ 264VAC 124 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF>0.92 at full load						
	EFFICIENCY (Typ.)	80% 84%						
	AC CURRENT (Typ.)	2.5A/115VAC 1.5A/230VAC						
	INRUSH CURRENT (Typ.)	COLD START 23A/115VAC 45A/230VAC						
	LEAKAGE CURRENT	<1mA / 240VAC						
PROTECTION		CH1:105 ~ 135% CH2:0.51 ~ 0.9A rated output power						
	OVERLOAD	Protection type : AC Charging Mode : Constant current limiting, recovers automatically after fault condition is removed						
		UPS Mode : Protected by internal fuse						
	OVER VOLTAGE	CH1:15.87 ~ 18.63V						
		Protection type: Shut down o/p voltage, re-power on to recover						
	BATTERY LOW	10V±0.8V		19.5V(+1.5V,-1\	19.5V(+1.5V,-1V)		39V±2V	
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL62368-1, TUV BS EN/EN62368-1, AS/NZS 62368.1, EAC TP TC 004 approved						
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH						
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020						
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020						
OTHERS	MTBF	1818.3K hrs min. Telcordia SR-332 (Bellcore) ; 229.9K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	199*110*50mm (L*W*H)						
	PACKING	0.88Kg; 16pcs/15Kg/0.95CUFT						
NOTE	1. All parameters NOT special	ially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.						

NOTE

- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 μ F & 47 μ F parallel capacitor.
- 3. Tolerance : includes set up tolerance, line regulation and load regulation.
- 4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."
- (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)

 5. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



