



Features:

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

SPECIFICATION



MODEL		ADD-155A			ADD-155B			ADD-155C			
	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	
OUTPUT	DC VOLTAGE	13.8V	5V	13.3V	27.6V	5V	27.1V	54V	5V	53.5V	
	RATED CURRENT	9.5A	3A	0.5A	4.5A	3A	0.5A	2.3A	3A	0.2A	
	CURRENT RANGE	0 ~ 10.5A	0 ~ 3A		0 ~ 5A	0 ~ 3A		0 ~ 2.5A	0 ~ 3A		
	RATED POWER	152.75W			152.75W			149.9W			
	RIPPLE & NOISE (max.) Note.2	150mVp-p 100mVp-p			200mVp-p	100mVp-p		240mVp-p	100mVp-p		
	VOLTAGE ADJ. RANGE	CH1: 12 ~ 14.5V		CH1: 24 ~ 29V			CH1: 48 ~ 58V				
	VOLTAGE TOLERANCE Note.3	±2.0%	±3.0%		±1.0%	±3.0%		±1.0%	±5.0%		
	LINE REGULATION	±1.0%	±0.5%		±1.0%	±0.5%		±1.0%	±0.5%		
	LOAD REGULATION	±1.0%	±2.0%		±1.0%	±2.0%		±1.0%	±2.0%		
	SETUP, RISE TIME	1000ms, 90m	000ms, 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.)	78% 81% 81%									
	AC CURRENT (Typ.)	2.5A/115VAC 1.5A/230VAC									
	INRUSH CURRENT (Typ.)	COLD START 20A/115VAC 40A/230VAC									
	LEAKAGE CURRENT	<1mA/240VAC									
PROTECTION	OVERLOAD	CH1,CH2:105 ~ 135% CH3:0.51 ~ 0.9A rated output power 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					CH1:62.1 ~ 72.9V				
		Protection type : Shut down o/p voltage, re-power on to recover									
	BATTERY LOW	10V±0.8V		3.,	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) on +5V output									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes									
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved									
	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:100M Ohms / 500VDC / 25°C/70% RH									
	EMC EMISSION	Compliance t	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A									
OTHERS	MTBF	164.2K hrs min. MIL-HDBK-217F (25℃)									
	DIMENSION	199*110*50mm (L*W*H)									
	PACKING	1Kg; 16pcs/16Kg/0.95CUFT									
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. The power supply is considered a component which will be installed into a final equipment. 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 http://www.meanwell.com) 										

ADD-155 series

