



155W Dual Output with Battery Charger(UPS Function)

ADD-155 series



■ 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

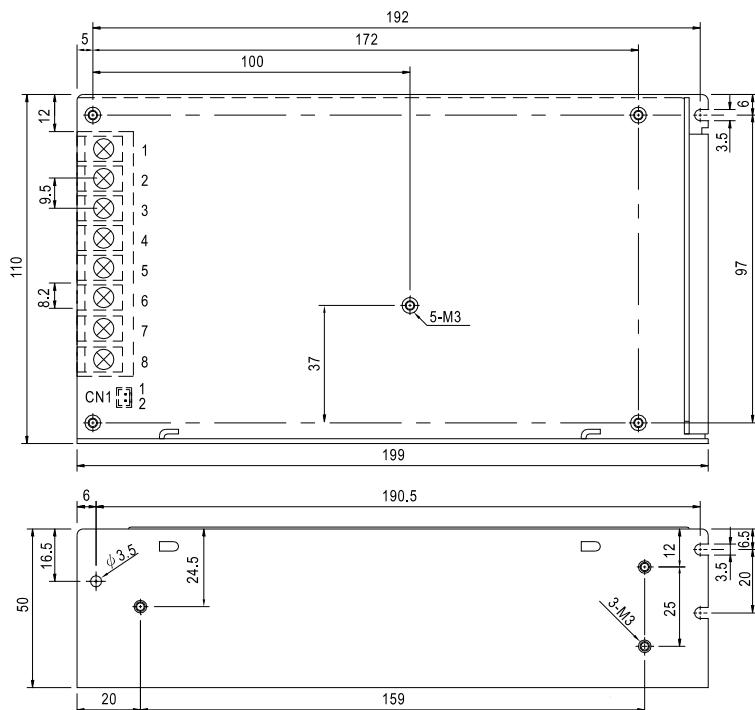


SPECIFICATION

MODEL	ADD-155A			ADD-155B			ADD-155C										
OUTPUT	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2								
	DC VOLTAGE	13.8V	5V	13.3V	27.6V	5V	27.1V	54V	5V								
	RATED CURRENT	9.5A	3A	0.5A	4.5A	3A	0.5A	2.3A	3A								
	CURRENT RANGE	0 ~ 10.5A	0 ~ 3A	---	0 ~ 5A	0 ~ 3A	---	0 ~ 2.5A	0 ~ 3A								
	RATED POWER	152.75W			152.75W			149.9W									
	RISSLE & 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%								
INPUT	SETUP, RISE TIME	1000ms, 90ms/230VAC			2000ms, 90ms/115VAC at full load												
	HOLD UP TIME (Typ.)	24ms/230VAC			20ms/115VAC at full load												
	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												
PROTECTION	INRUSH CURRENT (Typ.)	COLD START 20A/115VAC			40A/230VAC												
	LEAKAGE CURRENT	<1mA / 240VAC															
	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									
ENVIRONMENT	OVER VOLTAGE	CH1:15.87 ~ 18.63V			CH1:31.74 ~ 37.26V			CH1:62.1 ~ 72.9V									
	BATTERY LOW	10V±0.8V			19.5V(+1.5V,-1V)			39V±2V									
	WORKING TEMP.	-10 ~ +60°C (Refer to "Derating Curve")															
SAFETY & EMC (Note 4)	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 STANDARDS	UL60950-1, TUV EN60950-1 approved															
OTHERS	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 to EN55022 (CISPR22) Class B, EN61000-3-2,-3															
NOTE	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A															
	MTBF	164.2K hrs min. MIL-HDBK-217F (25°C)															
	DIMENSION	199*110*50mm (L*W*H)															
PACKING																	
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf 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. 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)																	

■ Mechanical Specification

Case No. 906B Unit:mm



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	5	BAT. +
2	AC/N	6	BAT. -/COM
3	FG \pm	7	DC OUTPUT COM
4	+5V	8	DC OUTPUT +V

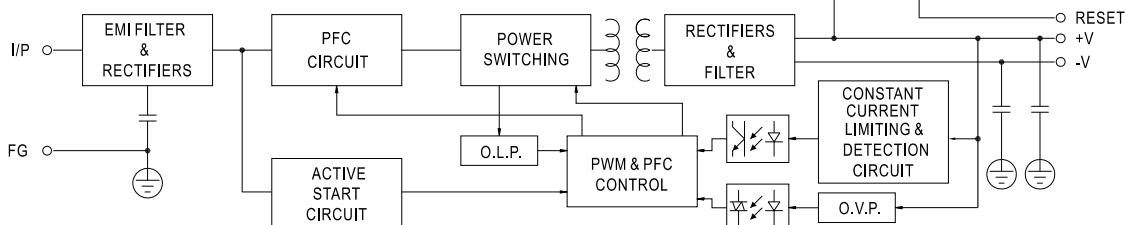
CN1 Pin No. Assignment :JST B2B-XH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	RESET SW	JST XHP or equivalent	JST SXH-001T-P0.6 or equivalent
2			

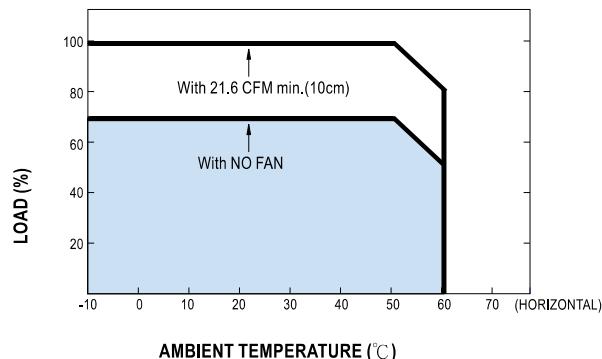
PFC fosc : 67KHz

PWM fosc : 134KHz

■ Block Diagram



■ Derating Curve



■ Output Derating VS Input Voltage (A)

