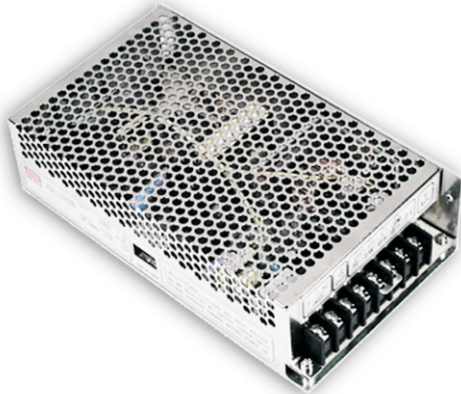




155W Dual Output with Battery Charger(USP Function)

ADD-155 series



■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>95
- Protections:Short circuit/Over load/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

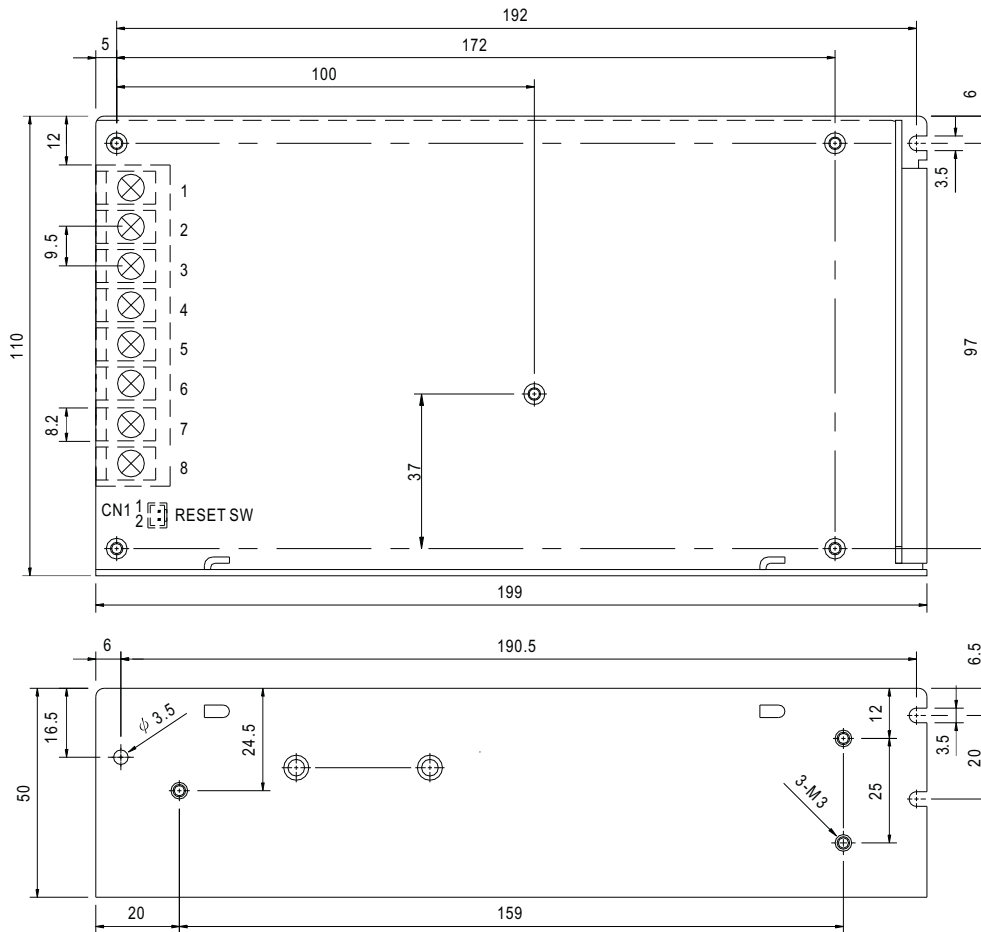


SPECIFICATION

MODEL		ADD-155A			ADD-155B			ADD-155C		
OUTPUT	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, HOLD TIME	1s, 90ms, 20ms/230VAC			2s, 90ms, 16ms/115VAC at full load						
INPUT	VOLTAGE RANGE	88 ~ 264VAC		124 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR	PF>0.92 at full load								
	EFFICIENCY (Typ.)	78%			81%			81%		
	AC CURRENT	2.5A/115VAC		1.5A/230VAC						
	INRUSH CURRENT (max.)	COLD START 20A/115VAC		40A/230VAC						
	LEAKAGE CURRENT	<1mA/ 240VAC								
PROTECTION	OVER LOAD	CH1,CH2:105 ~ 135%			CH3:0.51 ~ 0.9A rated output power					
		Protection type : Constant current limiting, recovers automatically after fault condition is reoved								
	OVER VOLTAGE	CH1:15.87 ~ 18.63V			CH1:31.74 ~ 37.26V			CH1:62.1 ~ 72.9V		
	Protection type : Shut down o/p voltage, re-power on to recover									
BATTERY LOW	10V±0.8V			19.5V(+1.5V,-1V)			39V±2V			
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load 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 ouput								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL1950 TUV EN60950 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								
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B								
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3								
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A									
OTHERS	MTBF	164.2K hrs min.			MIL-HDBK-217F (25°C)					
	DIMENSION	199*110*50mm (L*W*H)								
	PACKING	1Kg; 16pcs/16Kg/0.95CUFT								
NOTE	<ol style="list-style-type: none"> 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. 									

Mechanical Specification

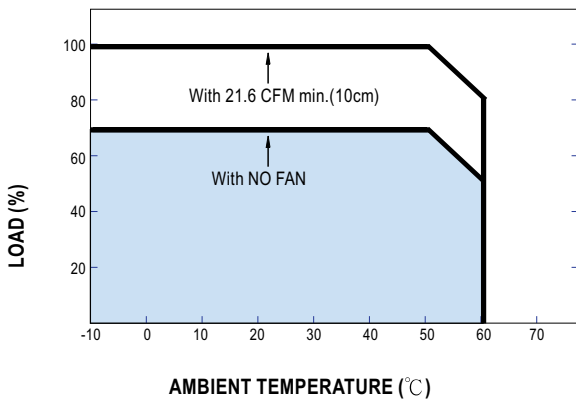
Case No. 906 Unit:mm



Terminal Pin. No Assignment

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

Derating Curve



Output Derating VS Input Voltage (A)

