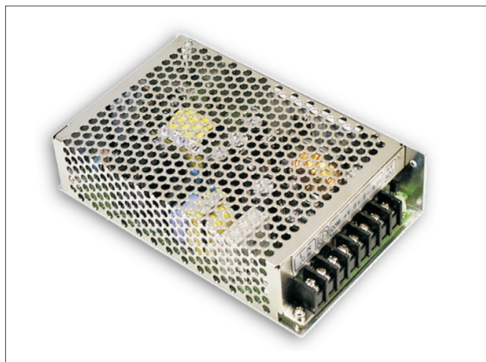


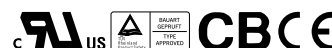


ADD-55 series

55W Dual output with battery charger(USP function)



- Universal AC input / Full range
- 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 45KHz
- 2 years warranty



SPECIFICATION

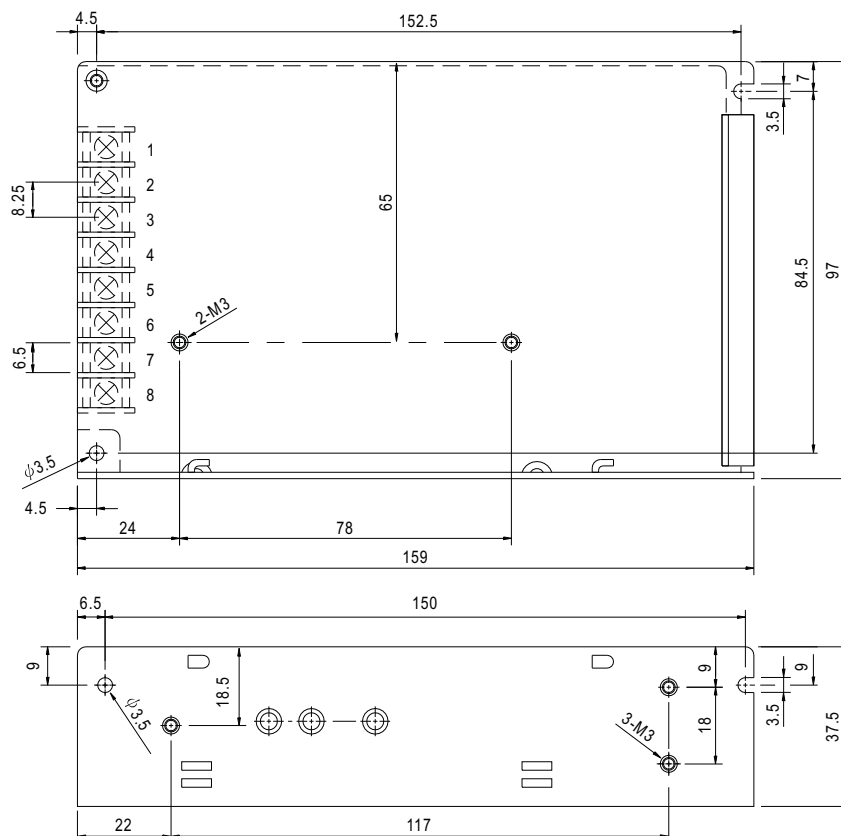
MODEL		ADD-55A			ADD-55B		
OUTPUT	DC VOLTAGE	13.8V	5V	13.4V	27.6V	5V	26.5V
	RATED CURRENT	2.5A	3A	0.23A	1.3A	3A	0.16A
	CURRENT RANGE	0 ~ 3.5A	0 ~ 4A	-----	0 ~ 2A	0 ~ 4A	-----
	RATED POWER	52.58W			55.12W		
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	-----	150mVp-p	150mVp-p	-----
	VOLTAGE ADJ. RANGE	CH1: 12 ~ 14.5V			CH1: 24 ~ 29V		
	VOLTAGE TOLERANCE Note.3	±1.0%	±3.0%	-----	±1.0%	±3.0%	-----
	LINE REGULATION	±1.0%	±0.5%	-----	±1.0%	±0.5%	-----
	LOAD REGULATION	±1.0%	±0.5%	-----	±1.0%	±0.5%	-----
SETUP, RISE, HOLD TIME		800ms, 50ms, 60ms/230VAC 1.6s, 50ms, 16ms/115VAC at full load					
INPUT	VOLTAGE RANGE	88 ~ 264VAC 124 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	71%			74%		
	AC CURRENT	1.6A/115VAC 1A/230VAC					
	INRUSH CURRENT (max.)	COLD START 20A/115VAC 40A/230VAC					
	LEAKAGE CURRENT	<1mA / 240VAC					
PROTECTION	OVER LOAD	105 ~ 150% of rate load Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	CH1:14.49 ~ 18.63V			CH1:28.98 ~ 37.26V Protection type : Hiccup mode, recovers automatically after fault condition is removed		
FUNCTION	DC ALARM SIGNAL(OPTIONAL)	AC fail CN1 PIN2					
		Battery low under charge voltage 82.5%±2% CN1 PIN1					
		Normal 0.8V max. Abnormal 5V±0.5V					
ENVIRONMENT	WORKING TEMP., HUMIDITY	-10 ~ +60℃ (Refer to output load derating curve), 20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/℃ (0 ~ 50℃) on CH1 output					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	UL1950 TUV EN60950 Approved					
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B					
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3, Class A					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, Light industry level, criteria A					
	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					
OTHERS	MTBF	241.3K hrs min. MIL-HDBK-217F (25℃)					
	DIMENSION	159*97*38mm (L*W*H)					
	PACKING	0.57Kgs/pcs, 24pcs/13.7Kgs/0.75CUFT					
NOTE		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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.					



ADD-55 series

Mechanical Specification

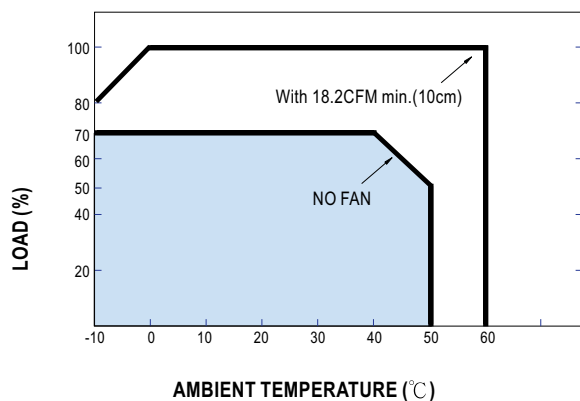
Case No. 901 Unit:mm



Terminal Pin. No Assignment

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

Derating Curve



Static Characteristics (A)

