

155 Watt, 1 or 2 Output Battery Back-Up Power Supply



(DC UPS units for emergency systems such as Fire, Security or Access Control etc.)

- Universal AC Input With PFC
- High Efficiency / Reliability
- 100% Full Load Burn In
- Short Circuit, Over Load, Over Voltage, Battery Low & Reversed Polarity Protection
- Full Approvals : UL/CB/TUV/CE
- 2 Year Warranty
- Main Load Output + Float / Trickle Charge Output
- Battery Back-Up PSU Solution



Specification

Input Voltage.....	88~264 VAC,(124~370 VDC)
Inrush current.....	Cold start, 20A / 115 VAC, & 40A / 230 VAC
Output Voltage.....	See table below (outputs to load and battery)
DC Output Adjustment.....	13.8V = 12~14.5V, 27.6V = 24~29V, 54V = 48~58V
Over Load Protection.....	O/P ½ = 105~135%, Charger O/P: 0.51~0.9 A constant current, auto recovery
Over Voltage Protection.....	O/P 1 = 115~135% of rated output voltage
Setup, Rise, Hold up time.....	1000 ms, 90 ms, 24 ms @ full load & 230 VAC
Isolation Voltage.....	I/P-O/P: 3 kVAC, I/P-FG: 1.5 kVAC, 1 min
Operating Temperature.....	-10~50 °C @ 100% load with 22CFM fan, (70% load convection) 80% load @ 60 °C with fan, (50% load @ 60 °C convection)
Safety Standards.....	UL60950-1, TUV EN60950-1
EMC Standard.....	EN55022 Class B, EN61000-3-2, 3, 4, 5, 6, 8, 11 ENV50204, EN61000-3-2,3
Dimensions (L x W x H).....	199 x 110 x 50 mm
Weight.....	0.88 kg each
MTBF.....	183.3 khrs (MIL-HDBK-217F) @ 25 °C

Models and Ratings

Single Output With Battery Charger (UPS Function)					
Model	Output 1	Float Charger		Ripple O/P 1	Eff.
AD-155A	13.8 V / 11.5 A	13.8 V / 0.5 A	-	150 mV	80%
AD-155B	27.6 V / 5.5 A	27.1 V / 0.5 A	-	150 mV	84%
AD-155C	54.0 V / 2.70 A	53.5 V / 0.5 A	-	240 mV	84%

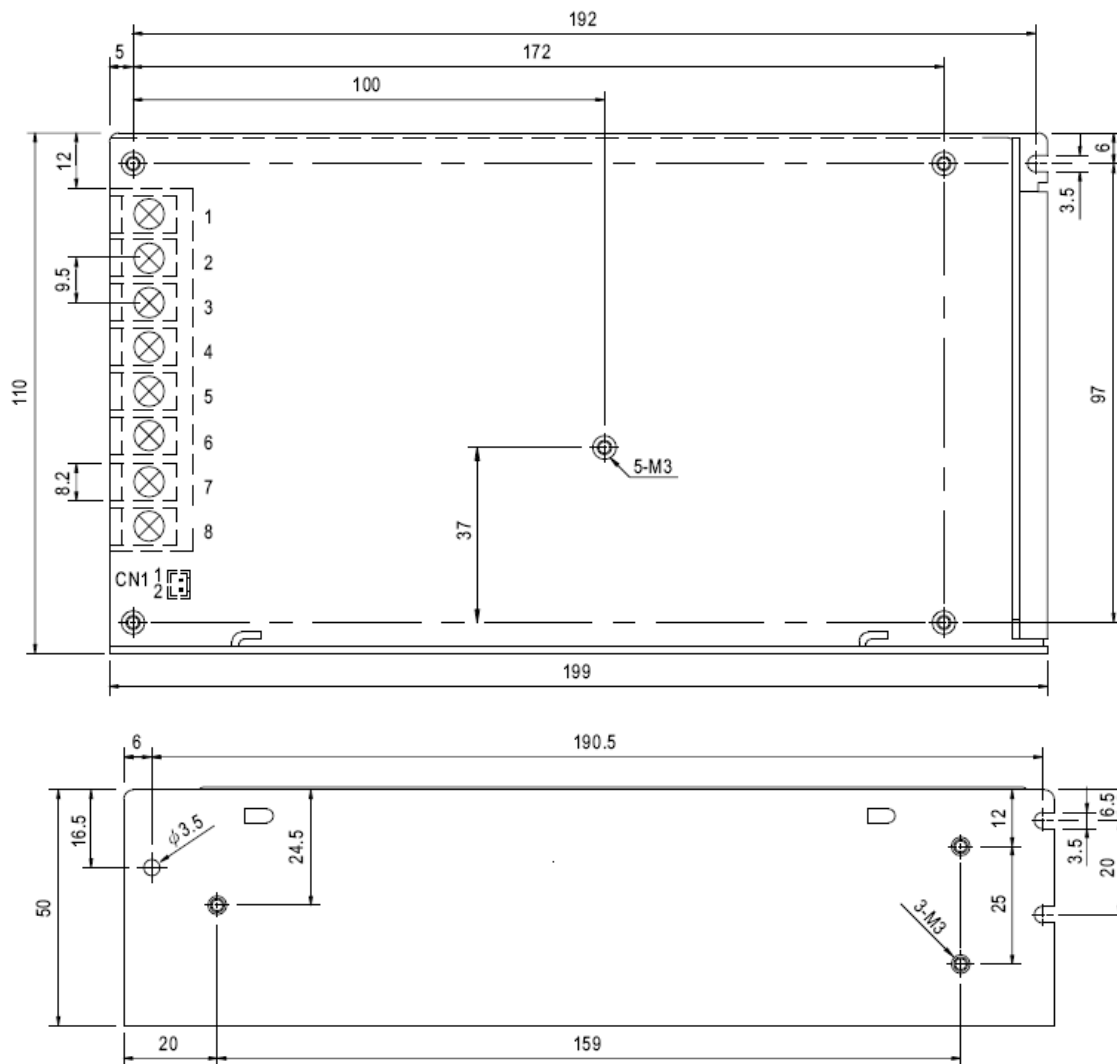
Dual Output With Battery Charger (UPS Function)					
Model	Output 1	Output 2	Float Charger	Ripple O/P 1	Eff.
ADD-155A	13.8 V / 10.5 A	5 V / 3 A	13.3 V / 0.5 A	150 mV	78%
ADD-155B	27.6 V / 5 A	5 V / 3 A	27.1 V / 0.5 A	200 mV	81%
ADD-155C	54.0 V / 2.5 A	5 V / 3 A	53.5 V / 0.2 A	240 mV	81%

Notes : ADD-155 units have second output from separately regulated 5 Volt output converter driven from output 1.
Outputs 1 and 2 are both available to the load in event of AC Mains failure being powered from the battery.
All units will automatically switch over to run from the battery in event of AC Mains failure and return to Mains power when AC is reapplied.

For mechanical & connection details see next page

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Mechanical Details (DIN Rail mounting kit also available as option).



Connection Details (Main Terminal Block)

Terminal	Function
1	AC Live
2	AC Neutral
3	Input Earth
4*	DC Output 2 +V or N/C
5	Battery +
6	Battery -
7	DC Output COM
8	DC Output 1 +V

CN2 connections:

Pin 1~2: reset switch (if required)

Mating Terminal: JST SXH-001T-P0.6

Mating Housing: JST XHP or equivalent

*Note : Terminal 4, On Model AD-155x this terminal has no connection
On Model ADD-155x this terminal is output 2 positive connection.

Specifications may change without notice, E&OE, ALL PSU Terms & Conditions apply.

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