

155W Single Output with Battery Charger (UPS Function) AD-155 series

Features :

Universal AC input / Full range

Protections: Short circuit / Overload / Over voltage

Battery low and battery polarity protection

Cooling by free air convection

100% full load burn-in test

Fixed switching frequency at 45KHz

SPECIFICATION						
MODEL	AD-155A		AD-155B		AD-155C	
OUTPUT						
Outputnumber	CH1	CH2	CH1	CH2	CH1	CH2
DC voltage	13.8V	13.3V	27.6V	27.1V	54V	53.5V
Rated Current	10.5A	0.5A	5A	0.5A	2.7A	0.2A
Current Range	0~11.5A	0-0.5A	0~5.5A	0-0.5A	0-2.7A	0-0.5A
Rated Power	151.55W		151.55W		156.5W	
Ripple&Noise	100mVp-p	-----	150mVp-p	-----	240mVp-p	-----
Voltage Adj.Range	CH1:12~14.5V		CH1:24~29V		CH1:48-58V	
Voltage Tolerance	±2.0%	-----	±1.0%	-----	±1.0%	-----
Line Regulation	±0.5%	-----	±0.5%	-----	±0.5%	-----
Load Regulation	±0.5%	-----	±0.5%	-----	±0.5%	-----
Setup,Rise Time	1000ms, 90ms/230VAC		2000ms, 90ms/115VAC at full load			
Hold UpTime	24ms/230VAC		20ms/115VAC at full load			
INPUT						
Voltage Range	88~264VAC47~63Hz; 124~370VDC					
AC Current			2.5A/115VAC		1.5A/230VAC	
Efficiency	80%		84%		84%	
Inrush Current	Coldstart 20A/115VAC		40A/230VAC			
Leakage Current	<1mA /240VAC					
PROTECTION						
Over Load	CH1:105 ~ 135%		CH2:0.51 ~ 0.9A rated output power			
	Protection type:AC Charging Mode:Hiccup mode,recovers automatically after fault condition is removed UPS Mode:Protected by internal fuse					
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“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)
Vibration	10~500Hz,2G10min./1cycle,60min.each along X, Y,Z axes
SAFETY &EMC	
Safety Standards	UL60950-1, TUV EN60950-1
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
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11,EN55024,light industry level, criteria A
OTHERS	
Dimension	199*110*50mm (L*W*H)
Weight	0.72Kg
Packing	20pcs/15.5KG
NOTE	
<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12” twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance: includes set up tolerance, line regulation and load regulation.</p> <p>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 meetsEMC directives.</p>	