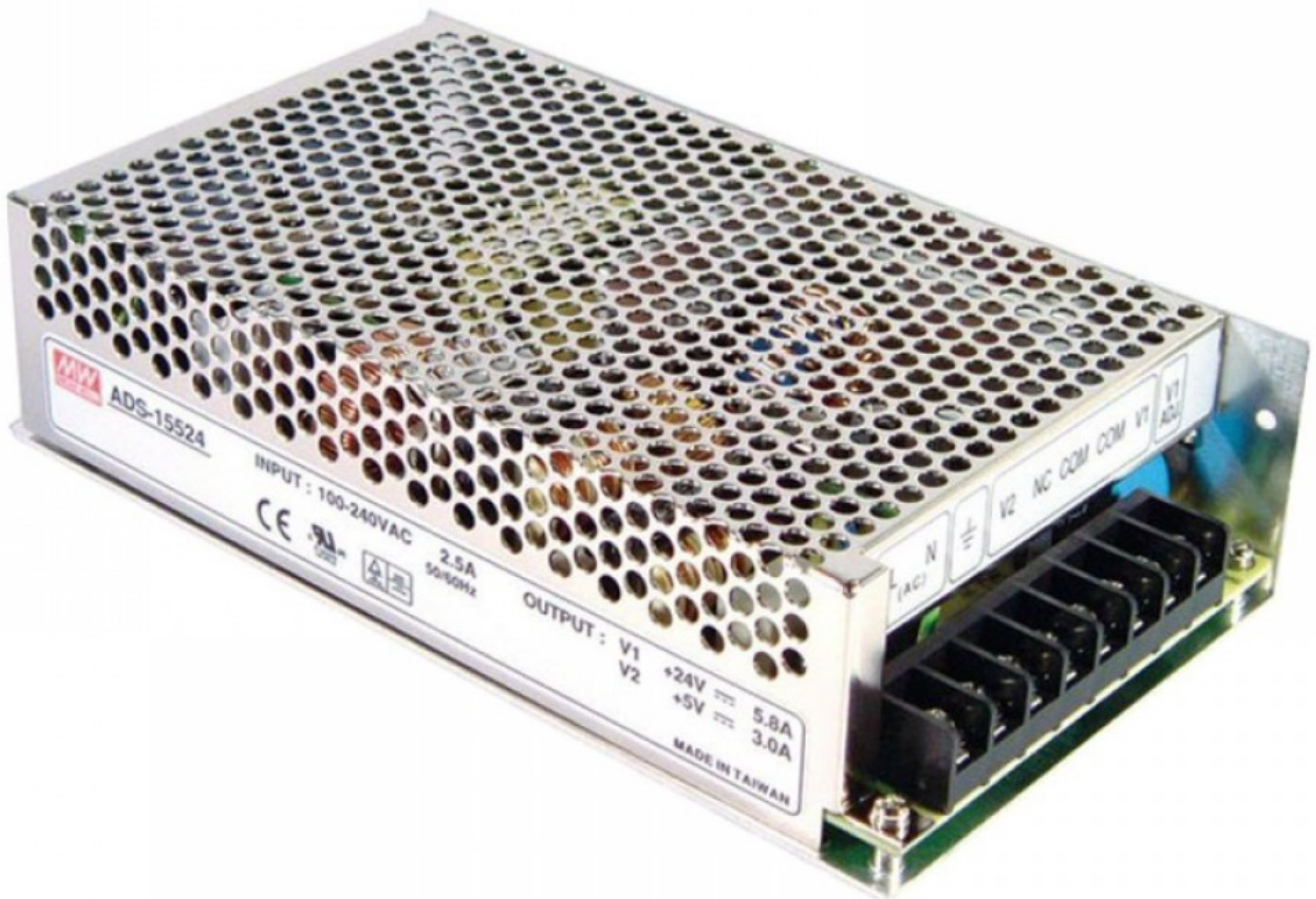




MEAN WELL AD-155A 155W Single Output with Battery Charging UPS Function Owner's Manual

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MEAN WELL AD-155A 155W Single Output with Battery Charging UPS Function



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Features

- Universal AC input/ Full range
- Protections: Short circuit I Overload; Over voltage
- Battery low and battery polarity protection
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at PFC 67KHz. PWM 134KHz
- Optional DIN Rail Attachment

SPECIFICATION

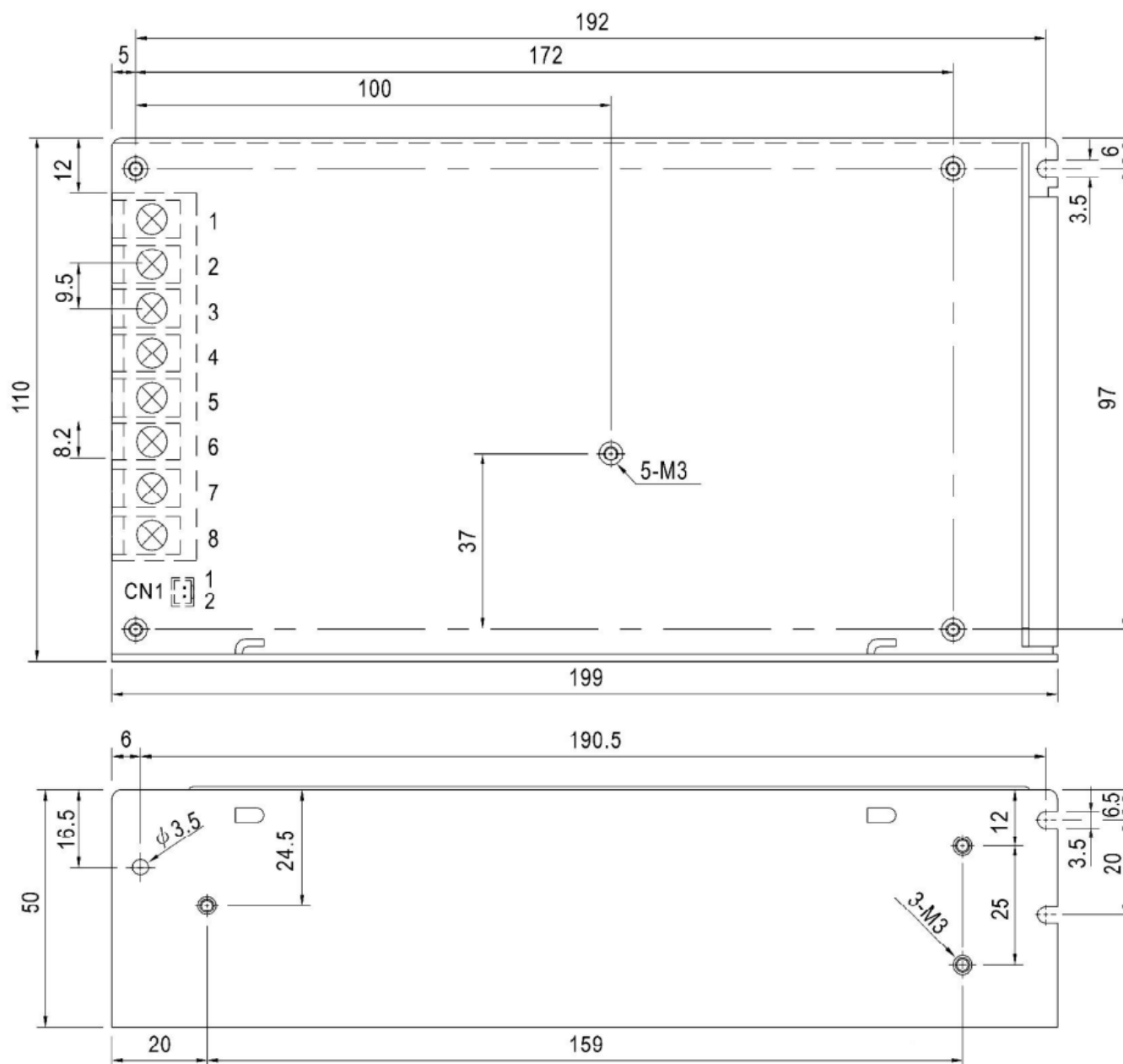
MODEL		AD155-A			AD155-B		AD155-C	
OUT PUT	OUTPUTNUMBER	CH 1	CH2		CH 1	CH2	CH1	CH2
	DC VOLTAGE	13.8V	13.3V		27.6V	27.1V	54V	53.5V
	RATED CURRENT	10.5A	0.5A		5A	0.5A	2.7A	0.2A
	CURRENTRANGE	0 – 11.5A	0 – 0.5A		0-5.5A		0-0.5A	0- 2.7A
	RATED POWER	151.55W			151.55W		156.55W	
	RIPPLE& NOISE(max.) Note.,	15-0t m/p-p	—		150 mV p-p	—	240mVp-p	—
	VOLTAGEADJ. RANGE	CH1: 12- 14.5V			CH1 : 24 -29V		CH1 : 48-58V	
	VOLTAGE TOLERANCE Note.3LINE REGULATION	±2.0% ±0.5%	— — — —		±1.0% ±0.5%	— — —	±1.0% ±0.5%	— —
	LOAD REGULATION	±0.5%	— —		±0.5%	— —	±0.5%	—
	SETUP,RISE TIME	1000ms, 90ms/230VAC 2000ms, 90ms/115VACat full load						
HOLD UP TIME (Typ.)	24ms/230VAC 20ms115VACat full load							
INPU T	VOLTAGE RANGE FREQUENCY RANGE	88 – 264VAC 124- 370VDC 47 – 63Hz						
	POWER FACTOR (Typ.)	PF>0.92at full load						
	EFFICIENCY(Typ)	80%					84%	
	ACCURRENT(Typ.)	2.5A/115VAC 1.5A/230VAC						
	INRUSH CURRENT(Typ.) LEAKAGE CURRENT	COLD START 23A/115VAC 45A/230VAC <1mA/240VAC						

PRO TFC TION	OVERLODA	CH1:105- 135% CH2:0.51 -0.9Arated output power			
		Protection Type : AC Charging Mode : Constant current limiting, recover automatically after fault condition is removed UPS Mode : Protected by Internal fuse			
	OVERVOLTAGE BATTERYLOW	CH1:1 .87- 18.G3V	CH1:31.74- 37.26V	CH1G: 2.1- 72.9Y	
		Protection Type : Shut down O/P voltage, e re-power on to recover 10VJ:0.8 V f1 9.5V(+1.5V-1,V) 39V±2V			
ENVI RON MEN T	WORKINGTEMP.	-10 – +60°C (Refer lo “Derating Curve”)			
	WORKING HUMIDITY	20 – 90% RH non-condensing			
	STORAGE TEM.P, HUMIDITY	-20- +85-°C, 10 – 95%RH			
	TEMP. COEFFICIENTN	±o 03%FC (0 – 50°C)			
	VIBRATION	10- 500Hz. 2G10mni .11cycle,60min.each along X. Y. Z axes			
SAFETY & EMC (Note4)	SAFETY STANDARDS	UL62368-1, TW esENIEN62368-1A, SINZS 62368.1, EAC TPTC 004 approved			
	WITHSTANDVOLTAGE	IIP-OIP:3KVAC 1/P-F G:1.SKYAC 0/P-FG:O.SKYAC			
	ISOLATION RESISTANCE	IIP-0/ P, I/P-FG, 0/P-FG:1OOM Ohms/ 500VDCI 25°C/ 70%RH			
	EMCEMISSION EMCIMMUNITY	Compliance to BSEN/EN5S032 (CISPR32)Class B,BSEN/EN61000-3-2,-3,EAC TP TC 020			
		Compliance to BS EN/EN6100-4-2.3.4.5.6.8.11. esENIENS5024. light industry level. criteria A EAC TP TC020			
OTHERS	MTBF	183.3Khr min. MIL-HDBK-217F /25'CI			
	DIM ENSION	199•110•50,nm (L-w-H)			
	PACKING	0,88Kg; 11pi CS/15Kg/0.9oCUFI			
NOTE	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 0.1 uf & 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

Terminal Pin No. Assignment

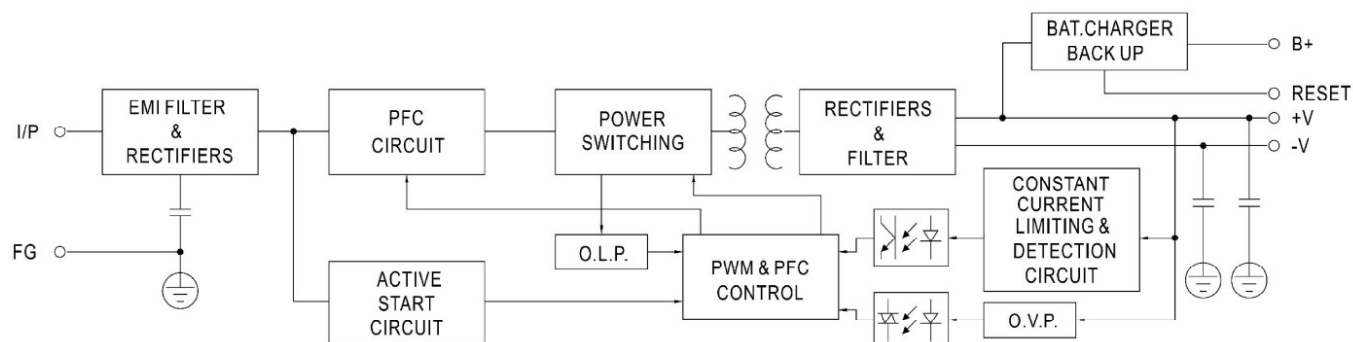
Pi n No . 1	Assignment AC/L	Pin No . 5	Assignment BAT +
2	AGIN	6	BAT. -/COM
3	FG	7	DC OUTPUTCOM
4	NC	8	DCOUTPUT+V



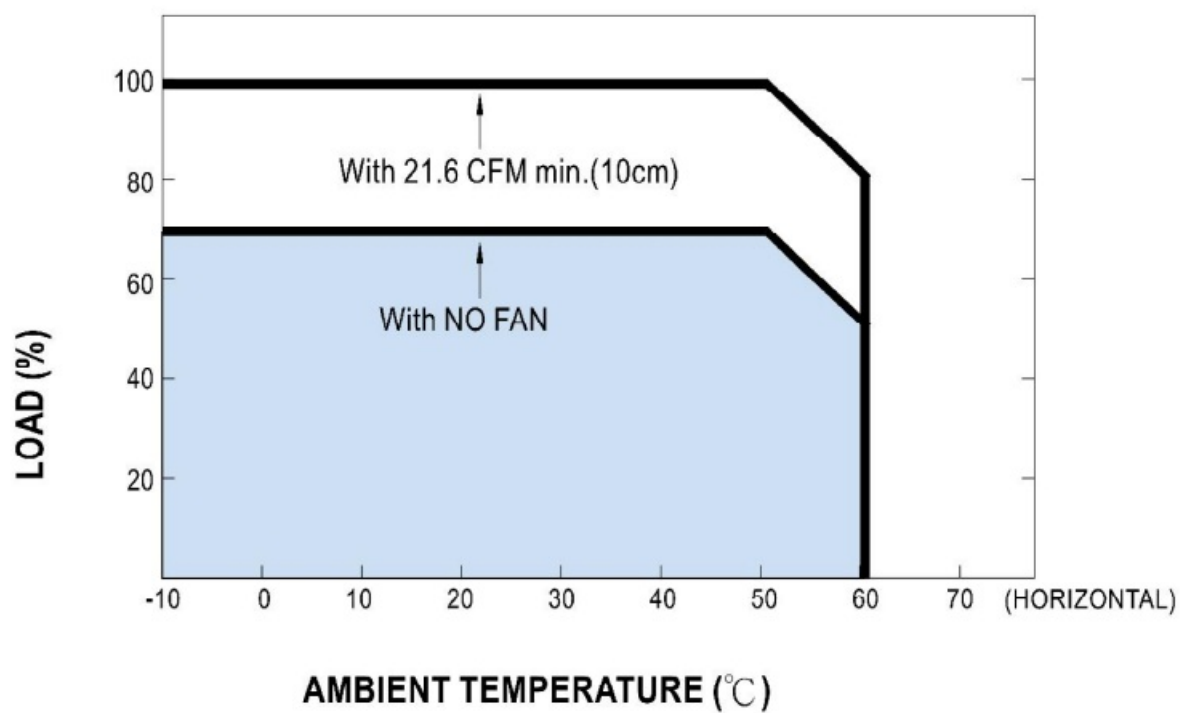
CN1 Pin No. Assignment :JST B2B-XH or equivalent

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

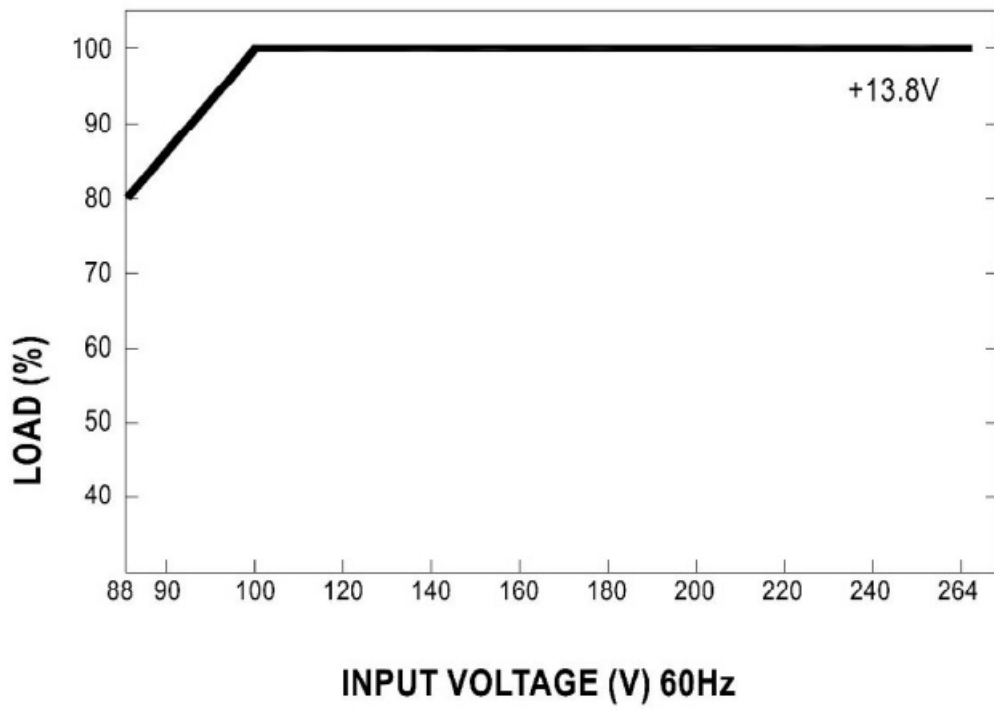
Block Diagram



Derating Curve

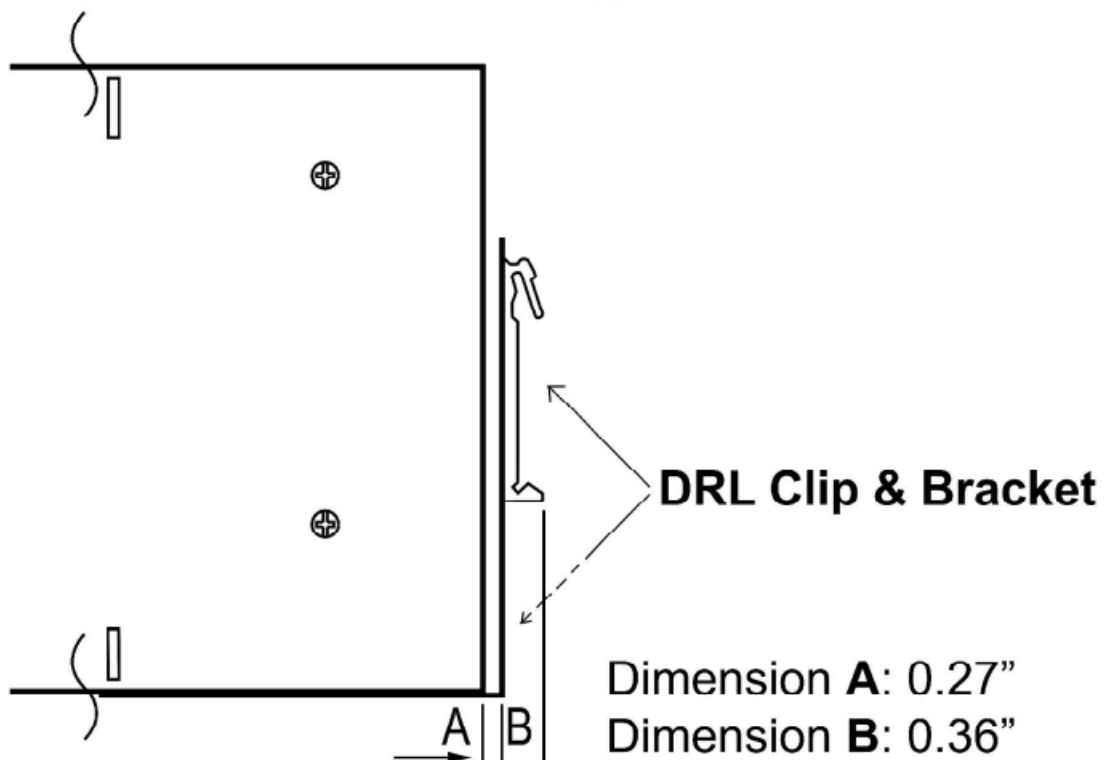
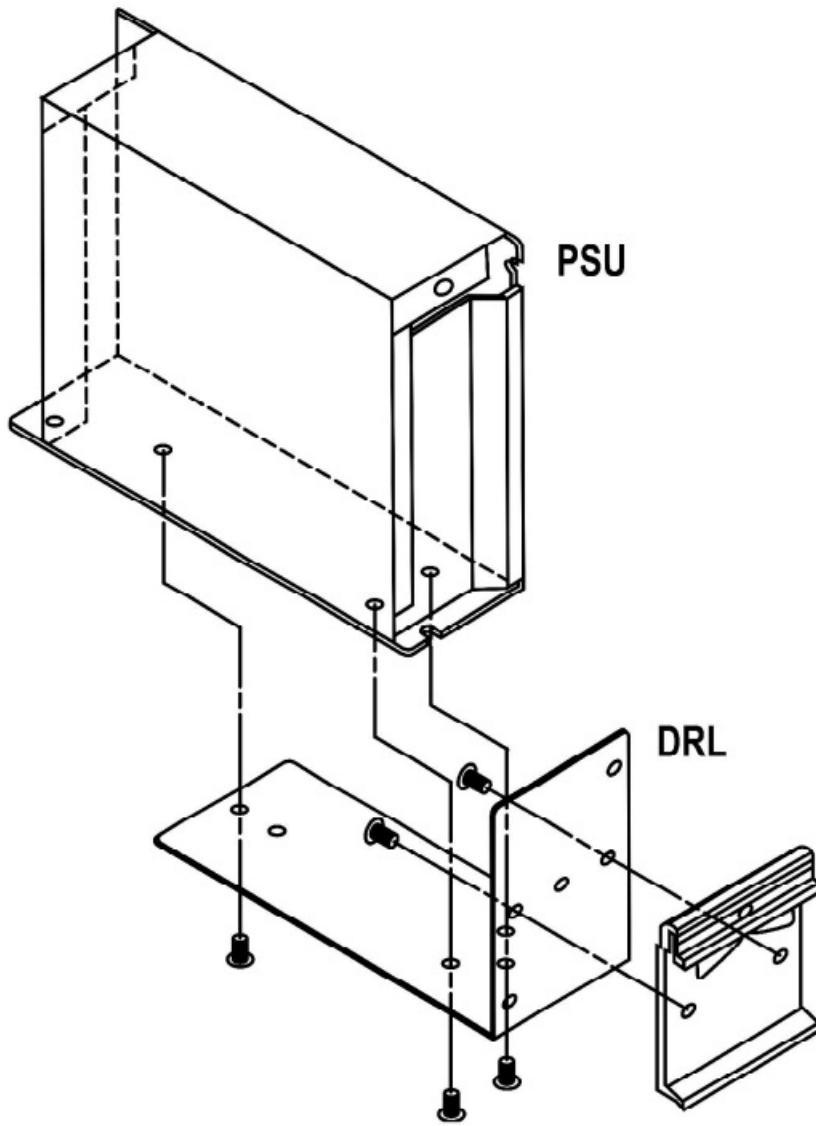


Output Derating VS Input Voltage (A)



OPTIONAL DIN RAIL MOUNTING KIT

SIMPLY ADD THE SUFFIX "/DRL" TO THE END OF THE MODEL NUMBER. I.E. "AD155-A/DRL"





Documents / Resources



[MEAN WELL AD-155A 155W Single Output with Battery Charging UPS Function](#) [pdf]

Owner's Manual

AD-155A 155W Single Output with Battery Charging UPS Function, AD-155A, 155W Single Output with Battery Charging UPS Function, Output with Battery Charging UPS Function, Battery Charging UPS Function, Charging UPS Function, UPS Function, Function