

### Features

- Universal AC input/ full range
- Built-in active PFC function, PF>0.94
- Short circuit, overload, over-voltage protected
- LED indicator for power on
- Cooling by free air convection
- Fixed switching frequency at 100KHz (optional)
- 3 year warranty



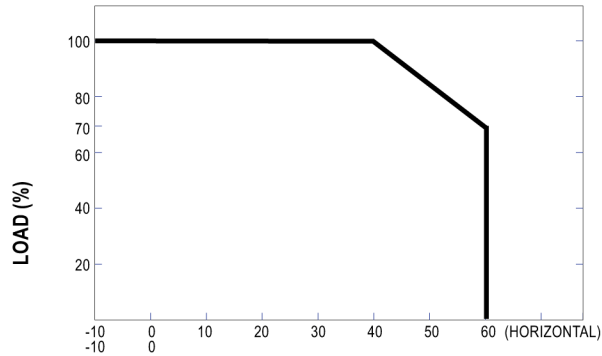
DC output voltage	5V	12V	-5V
Output rated current	10A	4A	0.6A
Output current range	3~15 A	0.4~5A	0~1A
Output rated power	101W		
Ripple & noise	100mVp-p	120mVp-p	100mVp-p
Voltage adj. range	4.75~5.5 V		
Output V. tolerance	±3.0%	±7.0%	±6.0%
Line regulation	±1.0%	±1.0%	±1.0%
Load regulation	±3.0%	±6.0%	±4.0%
Set up, rise, hold time	800ms, 60ms, 20ms/230VAC      800ms, 60ms, 20ms/115VAC at full load		
Input voltage range	90~264VAC	127 ~ 370VDC	
Frequency range	47~63Hz		
Power factor	PF>0.94/230 VAC    PF>0.98/115VAC		
Efficiency	75%		
AC current	1.5A/115VAC	0.75A/230VAC	
Inrush current	Cold start <40A/230VAC		
Leakage current	<3.5mA / 240VAC		
Overload protection	105~150% rated output power type: Hiccup mode, recovers automatically after fault condition is removed		
Over-voltage protection	5.75~6.75V on +5V type: shut-down o/p voltage, re-power on to recover		
Over-temp. protection (option)	95°C±5°C (TSW1) type: shut-down o/p voltage, recovers automatically after temperature goes down		
Working temperature	-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		
Temperature coefficient	±0.03% / °C (0~50°C)		
Vibration	10~500Hz, 2G 10 min./1 cycle, period of 60 min. each axes		
Safety standards	UL60950-1, TUV EN60950-1 approved		
Withstand voltage	I/P-O/P: 3KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC, for 1 min.		
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC min.		
EMI conduction & radiation	Compliance to EN55011 (CISPR11), 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, EN61000-6-2, EN61204-3 heavy industry level, criteria A		
MTBF	170.1K hrs min. MIL-HDBK-217F (25°C)		
Dimensions	7.83x3.9x2 inches (199x99x50 mm)		
Packing	1.83 lbs. (0.83 Kg); 20 pcs/ 38.8 lbs. (17.6 Kg)/1.28 CUFT		

#### Notes:

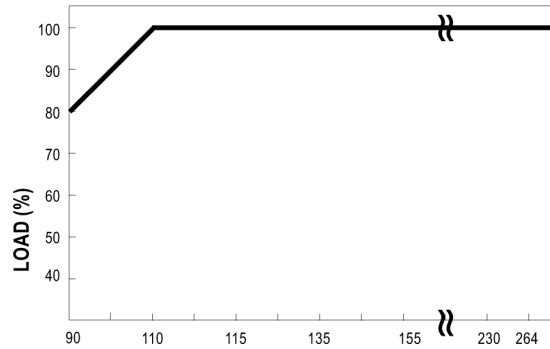
1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient
2. Tolerance includes set up tolerance, line regulation, load regulation
3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
4. Derating may be needed under low input voltages. Please check the derating curve for more details.

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## Output Derating

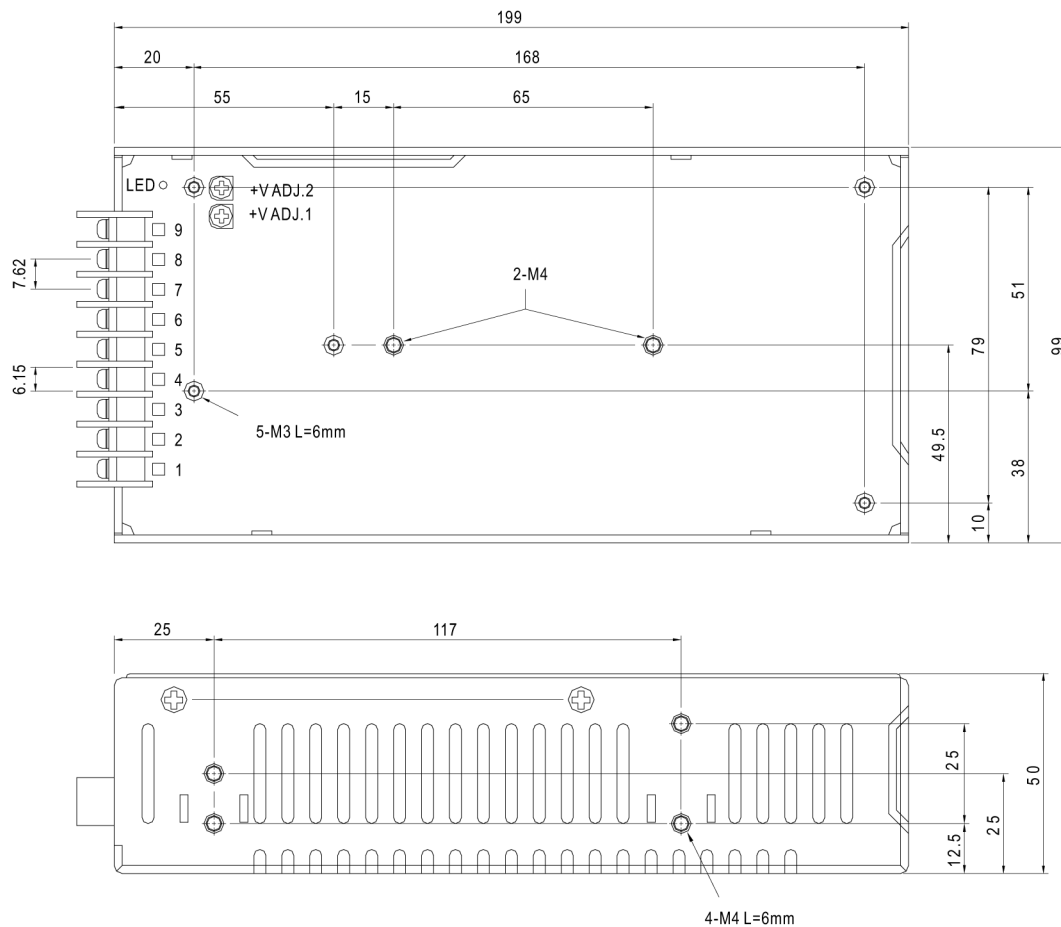


## Static Characteristics



## Dimensions (mm)

Case No. 916A Unit:mm



Terminal Pin No. Assignment :

Pin No.	Assignment	Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT V3	8,9	DC OUTPUT COM
2	AC/N	5	DC OUTPUT V2		
3	FG	6,7	DC OUTPUT V1		