

Product Features

- Constant voltage design
- Universal AC input / Full range
- Small dimension, High efficiency, High reliability, Long lifetime
- IP67 design for outdoor installation
- Working temperature: -20°C~+40°C
- Protections: Overload, Over voltage, Short-circuit, etc.
- Typical efficiency: 89.0%
- CE IP67 certified, RoHS compliant
- 100% full load burn-in test

SKU #	Model #	Watt	Input Voltage	Output Voltage	Max. Output Current	Environment	IP	Certifications
154319	VD-12100A0692	100-12W	100-240Vac	12V DC	8.33A	Outdoor	IP67	UL
154322	VD-24100A0692	100-24W	100-240Vac	24V DC	4.17A	Outdoor	IP67	UL



Specifications

Model #	VD-12060A0696	VD-24060A0696	
Output	DC Voltage	12V	24V
	Rated Current	8.34A	4.17A
	Current Range	0-8.34A	0-4.17A
	Rated Power	100W	100W
	Ripple and Noise(max.) Note4	120mVp-p	240mVp-p
	Voltage Tolerance Note3	±4%	±2%
	Line Regulation	±1%	±0.5%
	Load Regulation	±2%	±1%
	Output Groups	1	1
	Set Up Time Note6	2000ms, 50ms(at full load) 110Vac/230Vac	
	Holding Time (Typ.)	15ms(at full load) 110Vac/230Vac	
Input	Voltage Range Note 2	90~264Vac or 127~374Vdc	
	Frequency Range	47~63Hz	
	Power Factor (Typ.)	PF≥0.5/110V(at full load) PF≥0.45/230V(at full load)	
	Efficiency (Typ.)	88.0%	89.0%
	AC Current	2.2A/110Vac 1.1A/230Vac	
	Inrush Current (Typ.)	Cold start: 60A/230Vac	
	Leakage Current	<0.75mA/240Vac	
Protection	Over Load	110%-135% of the rated output power. Protection mode:Hiccup mode, recovers automatically after the load reduced.	
	Short Circuit	Protection type: Hiccup mode, recovers automatically after fault conditions removed	
	Over Voltage	12.5-18.0V	24.5-35.0V
Environment	Over Temperature	60°C±5°C Protection type: Shut down O/P voltage, recovers automatically after temperature goes down.	
	Working Temperature	-20oC~+40oC	
	Working Humidity	10%~90%RH, non-condensing	
	Storage Temp. & Humidity	-25oC~+75oC, 5%~95%RH	
	Temp. Coefficient	±0.05%/°C (0~40oC)	
	Vibration	10-300Hz, 1G 10min./cycle, period for 60min. each along X, Y, Z axes	



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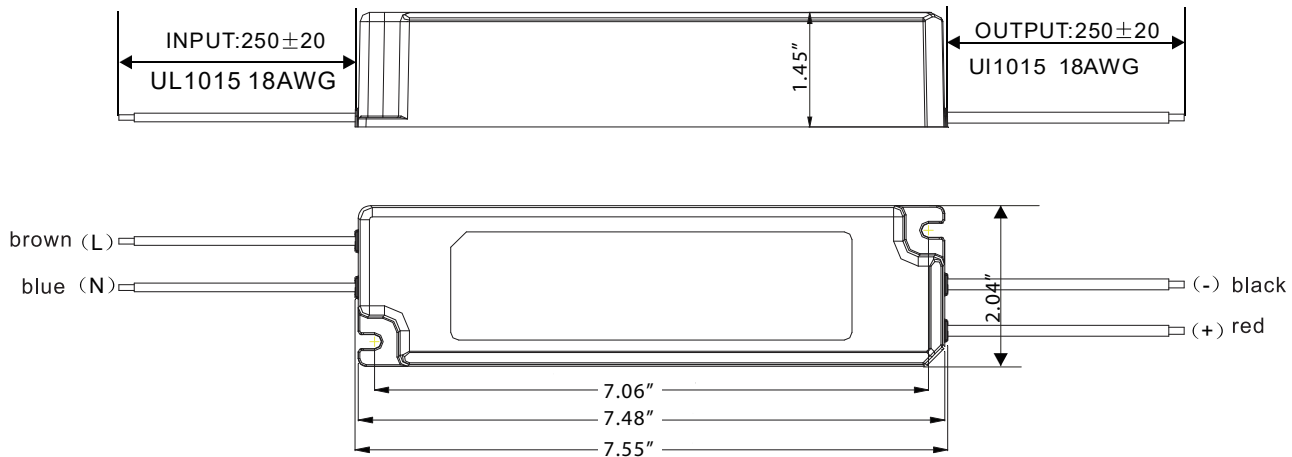
Safe & EMC	Safety Standards	Compliance to UL8750, EN61347-1, EN61347-2-13, IP67 waterproof rating.
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Insolation Resistance	I/P-O/P, 100Mohms/500Vdc 25°C/70%RH
	EMC Emission	/
	EMC Immunity	/
Others	MTBF	≥200Khrs, MIL-HDBK-217F(25°C
	Product Dimension	7.55" X 2.04" X 1.45"
	Product Packaging	1.39 LBS/PCS, (20PCS, 27.77LBS)

Note

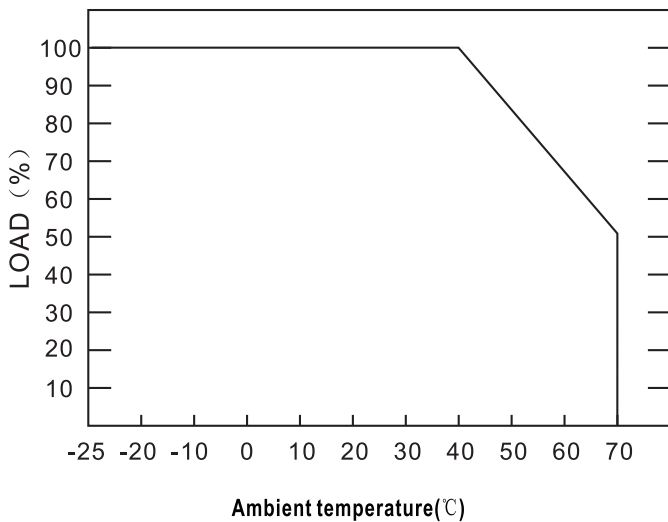
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Derating may be needed under low input voltages. Please check the static characteristics for more details.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Ripple & noise are measured at 20MHZ of bandwidth by using twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-confirm EMC Directive on the complete installation.
6. The start time was tested under the situation of cold star, continuous switching on/off may raise the start time.



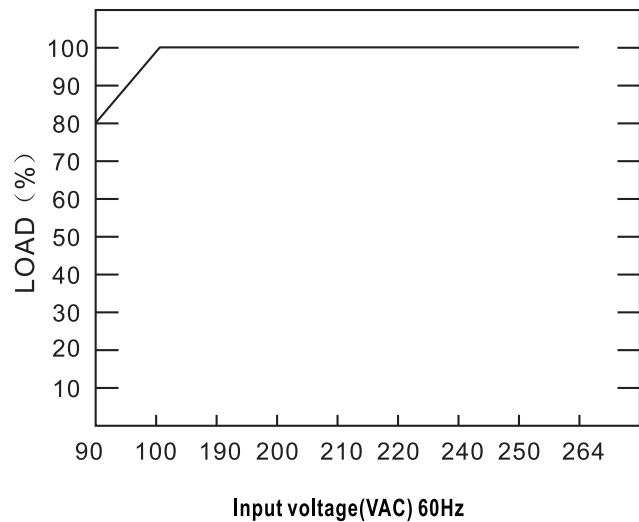
Mechanical Specification



■ Derating Curve



■ Static Characteristics



Package

SKU #	Carton (Inch)	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
154319	13.58 x 10.03 x 7.28	20PC		28.22lbs
154322	13.58 x 10.03 x 7.28	20PC		22.823lbs

Warranty

3 Years Warranty