



SKU: 154317

SKU: 154318

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: -25°C~+50°C
- Protections: , etc.
- Typical efficiency: 91%
- UL\IP67 certified, RoHS compliant
- 100% full load burn-in test

SKU #	Model #	Watt	Input Voltage	Output Voltage	Max. Output Current	Environment	IP	Certifications
154317	VD-12150D0243	150-12W	100-240Vac	12V DC	12.5A	Outdoor	IP67	UL



Specifications

Model #	VD-12150D0243	VD-24150D0243	
Output	DC Voltage	12V	24V
	Rated Current	12.5A	6.25A
	Current Range	0~12.5A	0~6.25A
	Wattage	150W	150W
	Ripple and Noise(max.) Note4	120mVp-p	240mVp-p
	Voltage Tolerance Note3	±4.0%	±2.0%
	Line Regulation	±1.0%	±0.5%
	Load Regulation	±2.0%	±1.0%
	Output Groups	2	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≥0.50/110V(at full load) PF≥0.45/230V(at full load)	
	Efficiency(Typ.)	88%	90%
	AC Current	3.25A/110Vac 1.72A/230Vac	
	Inrush Current(Typ.)	Cold start: 60A/230Vac	
	Leakage Current	<0.75mA/120Vac	
Protection	Over Load	104%-125% of the rated output power. Protection mode: constant current limiting, recovers automatically after the load reduced.	
	Short Circuit	Protection type: Hiccup mode, recovers automatically after fault conditions removed	
	Over Voltage	13.0-18.0V	24.5-35.0V
	Over Temperature	Ta:55~65°C Protection mode: Power off the output voltage, self-recovery when the temperature reduced	
Environment	Working Temperature	-25°C~+50°C	
	Working Humidity	10%~90%RH, non-condensing	
	Storage Temp. & Humidity	-25°C~+75°C, 5%~95%RH	
	Temp. Coefficient	±0.05%/°C (0~40°C)	
	Vibration	10-300Hz, 1G 10min./cycle, period for 60min. each along X, Y, Z axes	



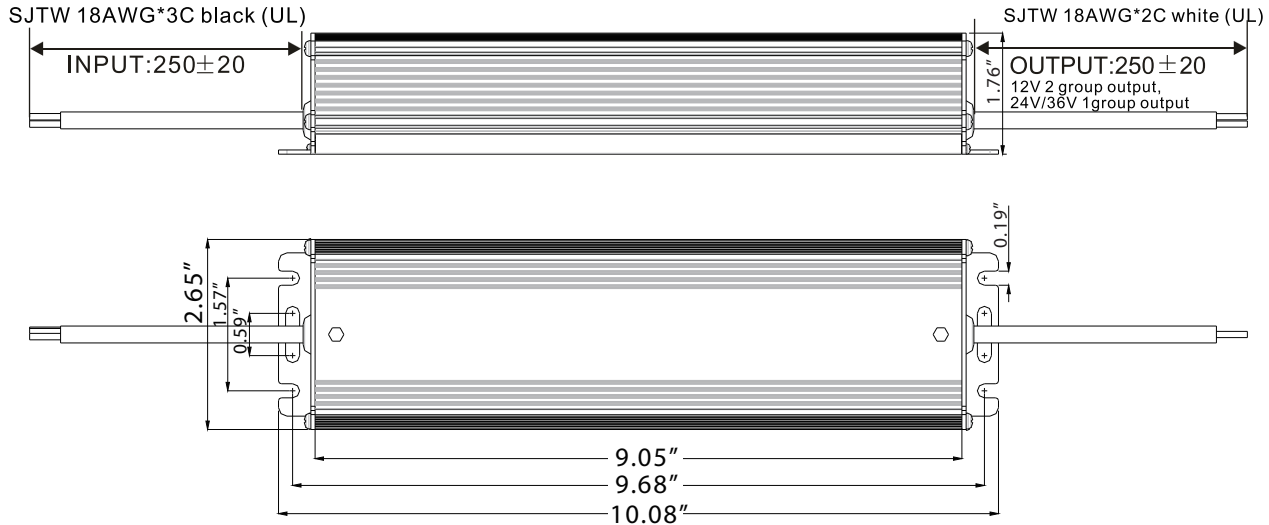
Safe & EMC	Safety Standards	Compliance to UL8750, UL60950, IP67 waterproof rating.
	Withstand Voltage	I/P-O/P: 3.75KVAC I/P-FG: 1.875KVAC O/P-FG: 0.5KVAC
	Insolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100Mohms/500Vdc 25°C/70%RH
	EMC Emission	/
	EMC Immunity	/
Others	MTBF	≥200Khrs, MIL-HDBK-217F(25°C)
	Product Dimension	10.08" X 2.65" X 1.76"
	Product Packaging	2.86 LBS/PCS, (10PCS, 28.66LBS)

Note

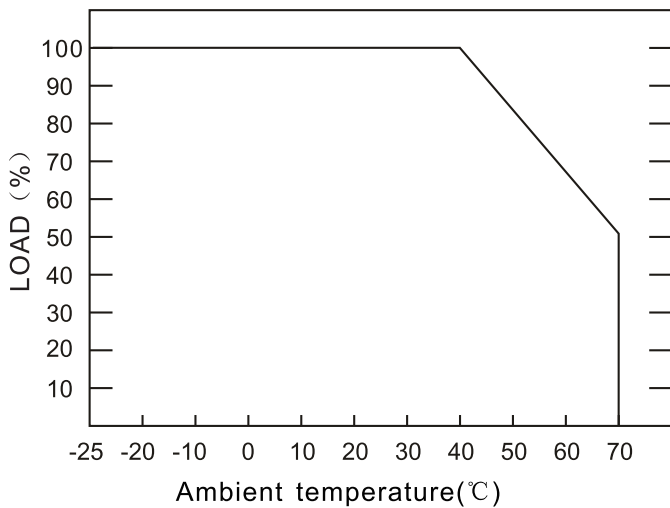
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambie temperature.
2. Derating may be needed under low input voltages. Please check the static characteristics for more details.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
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.



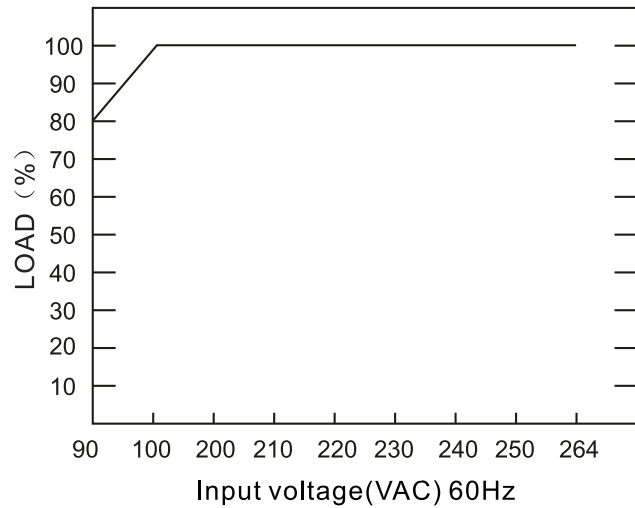
Mechanical Specification



■ Derating Curve



■ Output the Derating Curve



Package

SKU #	Carton (Inch)	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
154317	12.59 x 11.61 x 7.67	10PC		27.55lbs
154318	12.59 x 11.61 x 7.67	10PC		27.55lbs

Warranty

3 Years Warranty