Email: support@starwell.cc

◆Feature

.Constant Voltage Design;

.High voltage input;

.Small size、High efficiency、High reliability、Long lifetime;

.Ip67 rating;

.Working temperature -25℃~+50℃;

.Protection: Overload、Over-voltage、Short-circuit protection;

.Typical efficiency:86%;

.CE\IP67 certifide, ROHS compliant;

.Low output ripple noises;

.100% full load aging test.

Functional parameter

Model Number		VA-12030D0952	VA-24030D0952			
Out put	DC Voltage	12V	24V			
	Rated current	2.5A	1.25A			
	Range of the current	0~2.5A	0~1.25A			
	Rated power	30W	30W			
	Ripples and Noise(max.)	120mVp-p	240mVp-p			
	Voltage tolerance	±4%	±3.0%			
	Line regulation	±0.5%	±0.5%			
	Load regulation	±2%	±2%			
	Output groups	1	1			
	Set up and rise time	2000ms, 50ms When fully loaded 230Vac				
	Holding time（Typ.）	15ms When fully loaded 230Vac				
In put	Range of Voltage	170~264Vac or 240~374Vdc				
	Range of frequency	47~63Hz				
	Power factor	PF≥0.5/230Vac (at full load)				
	Efficiency Typ.)	85.5%	86%			
	AC current	0.31A/230Vac				
	Inrush current Typ.)	Cold start:50A/230Vac				
	Leakage current	<0.75mA/240Vac				
	THD	/				
Protection	Overloading	104% to 35% of the rated output power				
		Protection mode: Restrict the current,recovers automatically after the load reduced.				
	Short circuit	Protection type: Hiccup mode,self-recovery when exceptional loading be removed.				
	Overvoltage	13V~18V	25.5V~35V			
		Protection type: Hiccup mode,self-recovery when exceptional loading be removed.				
	Over temperature	Ta:60℃~70℃				
		Protection type: Shut down O/P voltage, recovers automatically after temperature goes down.				
Environment	Working temperature	-25℃~+50℃				
	Working humidity	10%~90%RH, No Condensation				
	Storage temperature and humidity	-25℃~+75℃, 5%~95%RH				
	Temperature coefficient	±0.05%/℃（0~40℃）				
	Vibration-proof	10-300Hz 1G 10minutes/cycle X Y Z axis each 60minutes				
Safety and regulatory and EMC	Safety and regulatory	Conform EN61347-1, EN61347-2-13,accord with Ip67 rating.				
	HI-POT	I/P-O/P:3.75KVAC I/P-FG:1.875KVAC O/P-FG:0.5KVAC				
	Insulation resistance	I/P-O/P, I/P-FG, O/P-FG: 100Mohms/500Vdc 25℃/70%RH				
	EMI	/				
	Harmonic current	/				
	EMS	/				
Others	MTBF	≥200Khrs, MIL-HDBK-217F（25℃）				
	Dimension	182*29*20.5mm(L*W*H)				
	Package	0.2Kg/PCS; 50PCS/10Kg/box; （395*215*180mm）				
	Wire	/				

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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.

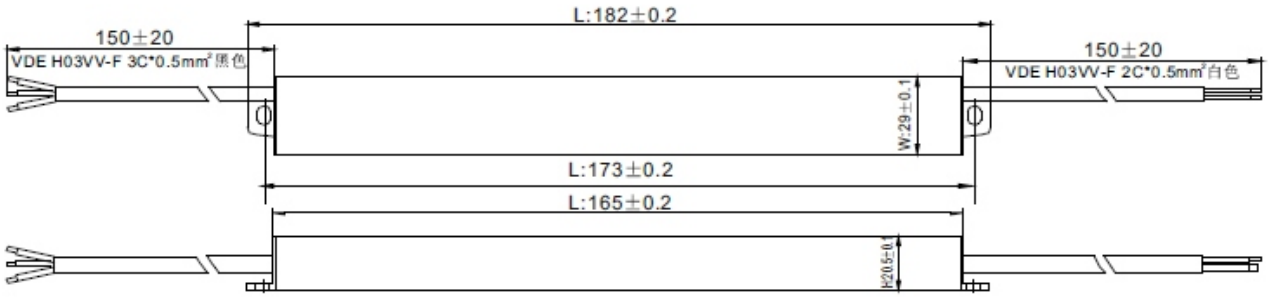
4. Ripple & noise are measured at 20MHZ of bandwidth by using twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

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

Case No. D0952 Unit: mm



Designed by		Standardization		D0952 type	Version: 2.0
Corrected by		Approved by			
Checked by					