

◆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\BIS\IP67 certifide, ROHS compliant;
- . Low output ripple noises;
- . 100% full load aging test.



Functional parameter

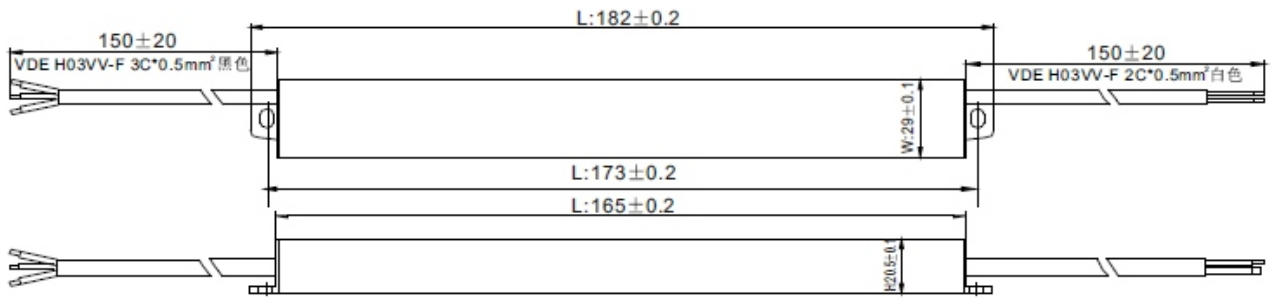
Model Number		VA-12030D0952	VA-24030D0952		
Out put	DC Voltage	12V	24V		
	Rated current	2.5A	1.25A		
	Range of the current	0~2.5A	0~1.25A		
	Rated power	30W	30W		
	Ripples and Noise(max.)	120mVp-p	240mVp-p		
	Voltage tolerance	±4%	+3.0%		
	Line regulation	±0.5%	+0.5%		
	Load regulation	±2%	±2%		
	Output 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		
	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	/			
Others	EMS	/			
	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



The above is Taurus standard product, customized product is available. We TAURAS has the right to ultimate interpretation.

Designed by		Standardization		D0952 type	Version: 2.0
Corrected by		Approved by		 <b>珠海市金兴科技有限公司</b> ZHUHAI TAURAS TECHNOLOGIES CO., LTD	
Checked by					