



◆Feature

- . Small size , High efficiency, High reliability, Long lifetime;
- . Ip66 rating;
- . Working temperature -25°C~+50°C;
- . Protection: Overload, Over current, Short-circuit, Over-voltage , Over temperture;
- . Typical efficiency:84%;
- . Start delay design ,which can reduce the starting current when multiple simultance start;
- . CE\IP66 certifide, ROHS compliant;
- . Low output ripple noises.

Functional parameter

Model Number		VD-12030M			
Out put	DC Voltage	12V			
	Output range of constant current	/			
	Rated current	2.5A			
	Range of the current	0~2.5A			
	Rated power	30W			
	Ripples and Noise(max.)	120mVp-p			
	Voltage tolerance	±4%			
	Line regulation	±1%			
	Load regulation	±2%			
	The group of output	1			
Set up and rise time	2000ms, 70ms (When fully loaded) 110Vac/ 230Vac				
Holding time (Typ.)	15ms (When fully loaded) 110Vac/ 230Vac				
In put	Range of Voltage	90~264Vac or 127~374Vdc			
	Range of frequency	47~63Hz			
	Power factor	PF≥0.5/230Vac(When fully loaded)			
	Efficiency (Typ.)	84%			
	AC current	0.55A/110Vac 0.32A/230Vac			
	Inrush current (Typ.)	Cold start:40A/230Vac			
	Leakage current	<0.75mA/240Vac			
	THD	/			
Protection	Overloading	104% to 120% of the rated output power Protection mode: Restrict the current,self-recovery when the load decreases.			
	Short circuit	Protection type: Hiccup mode,self-recovery when exceptional loading be removed			
	Overvoltage	13-18V Protection type: Power off the output voltage and re-start.			
	Over temperature	100°C±10°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, No Condensation			
	Storage temperature and humidity	-25°C ~+75°C, 25% ~85%RH			
	Temperature coefficient	±0.05%/°C (0 ~40°C)			
	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 Ip66 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 °C/70%RH			
	EMI	/			
	Harmonic current	/			
	EMS	/			
Others	MTBF	≥200Khrs, MIL-HDBK-217F (25°C)			
	Dimension	217X29X20.5mm(L*W*H)			
	Package	0.24Kg/PCS; 50PCS/12Kg/box; (345 X255X185mm)			
	Wire	In put: VDE H03VV-F 3C*0.5mm ² black, length150mm, Out put: VDE H03VV-F 2C*0.5mmwhitè, length 150mm			
Structure (mm)					

Designed by		Standardization		M spec	Version: 1.0
Corrected by		Approved by			
Checked by					