



◆Feature

- . Small size, High efficiency, High reliability, Long lifetime;
- . High power factor, Low harmonic, Compliance to IEC61000-3-2 Class C;
- . Ip66 rating;
- . Working temperature -25℃~+40℃;
- . Protection: Overload, Overvoltage, Short-circuit protection;
- . Typical efficiency:84%;
- . Low standby power, min to 1W;
- . Start delay design ,which can reduce the starting current when multiple simultance start;
- . UL/FCC/IP66 certifide, ROHS compliant;
- . Low output ripple noises.

Functional parameter

Model Number		VBS-12060D024			
Out put	DC Voltage	12V			
	Output range of constant current	/			
	Rated current	5A			
	Range of the current	0~5A			
	Rated power	60W			
	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	3000ms, 50ms (When fully loaded) 110Vac				
Holding time (Typ.)	15ms (When fully loaded) 110Vac				
In put	Range of Voltage	90~130Vac or 127~184Vdc			
	Range of frequency	47~63Hz			
	Power factor	PF≥0.99/110Vac(When fully loaded)			
	Efficiency Typ.)	84%			
	AC current	0.84A/90Vac 0.67A/110Vac			
	Inrush current Typ.)	Cold start:20A/120Vac			
	Leakage current	Between output and earth:0.25mA/120Vac; Between Case and earth:0.75mA/120Vac			
Protection	THD	6%@max/120Vac			
	Overloading	100% to 130% of the rated output power Protection mode: Restrict the current,self-recovery when exceptional loading be removed.			
	Short circuit	Protection type: Hiccup mode,self-recovery when exceptional loading be removed.			
	Overvoltage	13.5~20V Protection type: Power off the output voltage and re-start			
	Over temperature	100℃ ±10℃ (RTH2) Protection mode: Power off the output voltage and re-start			
Environment	Working temperature	-25℃ ~+40℃			
	Working humidity	20%~90%RH, No Condensation			
	Storage temperature and humidity	-25℃ ~+75℃, 25%~85%RH			
	Temperature coefficient	±0.05%/℃ (0~40℃)			
Safety and regulatory and EMC	Vibration-proof	10-300Hz, 1G 10minutes/cycle, X, Y, Z axis each 60minutes			
	Safety and regulatory	Conform UL8750, UL60950, 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℃/70%RH			
	EMI	FCC Part 15			
	Harmonic current	FCC Part 15			
Others	EMS	FCC Part 15			
	MTBF	≥40Khrs, MIL-HDBK-217F (25℃)			
	Dimension	240X70. 2X45mm(L* W H)			
	Package	1.3Kg/PCS; 10PCS/13Kg/box; (315X270X185mm)			
Structure (mm)	Wire	Input: SJTW 18AWG*3C black (UL), length1×500mm, output: SJTW 18AWG*2C white (UL)(red&black), length1×500mm			

Desi gned by	Standardi zation	D024 SPEC	Version: 1.0
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