



◆Feature

- . Small size, High efficiency, High reliability, Long lifetime;
- . Ip66 rating;
- . Working temperature -25℃~+40℃;
- . Protection: Overload, Short-circuit protection;
- . Typical efficiency:83%;
- . Low standby power, min to 0.8W;
- . Start delay design , which can reduce the starting current when multiple simultance start;
- . Ip66 certifide, ROHS compliant;
- . Low output ripple noises.

Functional parameter

Model Number		VB-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%			
	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 127~184Vac			
	Range of frequency	47~63Hz			
	Power factor	PF≥0.5/110Vac(When fully loaded)			
	Efficiency Typ.)	83%			
	AC current	0.6A/110Vac			
	Inrush current Typ.)	Cold start:30A/120Vac			
	Leakage current	Between output and earth:0.25mA/120Vac; Between Case and earth:0.75mA/120Vac			
Protection	THD	/			
	Overloading	100% to 140% 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	/			
	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	≥40Khrs, MIL-HDBK-217F (25℃)			
	Dimension	217*29.5*20mm(L*W*H)			
	Package	0.25Kg/PCS; 50PCS/12.5Kg/box; (345*255*185mm)			
Structure (mm)	Wire	Input VDE H03VV-F 3G0.75mm ² black length1×200mm output VDE H03VV-F 2*0.75mm ² white length1×200mm			

Desi gned by	Standardi zation	M spec		Version: 1.0
Corr ect ed by	Appr oved by			
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