

CVCF

IGBT Type Single Phase AVR

Voltage and Frequency Stabilisers



Input voltage range:

- ◆ 100-270VAC, 1Phase, 2Wire, +Earth

Input frequency range:

- ◆ 35-70Hz

Features:

- ◆ Correction time 1-1.5 cycles
- ◆ Output Voltage Regulation 210V-250V
- ◆ Output accuracy +/-1%
- ◆ Output wave form distortion THD<3
- ◆ Effect of Power factor PF>0.99
- ◆ Multiple protection functions

• Technical Parameter

Parameters		5KVA	10KVA	
Input	Nominal voltage Rating	230VAC 1Phase, 2Wire,+Earth		
	Voltage Regulation Range	100V-270V(-55%~+23%)Rated voltage (can be customized)		
	Rated Current	23A	46A	
	Frequency Regulation Range	50Hz/60Hz±15Hz (can be customized)		
Output Voltage	Voltage Range	220V±0.5%		
	Voltage Regulation Mode	Stepless &Contactless		
	Frequency Range	50H z±0.5Hz		
	Current-Harmonic Distortion Rate	≤2%		
	Voltage-Harmonic Distortion Rate	≤2%		
	Load Stability	≤1%		
	Harmonic Distortion	≤2%		
	Efficiency	≥95%/Max 97%		
	Response Time	≤10ms		
	Over Load Protection	≥120%for5 times,≥150%current-limiting&derate		
	Over Heat Protection	≥90°C (IGBT)		
	Time Delay	5 seconds(default)		
Circuit Mode		IGBT/PWM Pulse width Modulation		
Protection		*Power Factor &Temperature &Alarm *Input Over /Under Voltage /Frequency abnormal *Output Over/Under Voltage *Input Overcurrent *Output Overload,etc		
Display		*Output Voltage &Load Condition *Input Voltage Current *Frequency *Time Delay		
Others	Cooling Method	Forced Air		
	Noise	<65dB		
	Pollution Class	Under Class II		
	IP Class	IP20		
	Installation	Rack/Wall Mount		
	Working Temperature	-20°C ~ 45°C		
	Storage &Transportation Temperature	40°C ~ 70°C		
	Working Humidity	≤90%(40°C±2°C)		
	Storage &Transportation Humidity	≤95%(40°C±2°C)		
	Sea Level	≤2000 meters		
	Mechanical Strength	NB/T 33001		
	Product Size	501*328*128.5 mm	580*358*128.5 mm	
	Shipping Size	590*440*240	670*470*240	
	Inverter Weight	10KG	12KG	
Shipping Weight	12KG	14KG		