

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