

CVCF

IGBT Type Single Phase AVR

Voltage and Frequency Stabilisers



Input voltage range:

- ◆ 85-270VAC, 1Phase, 2Wire, +Earth

Input frequency range:

- ◆ 35-70Hz

Features:

- ◆ Correction time 10ms
- ◆ Output accuracy +/-0.5%
- ◆ Output wave form distortion THD<3%
- ◆ Effect of Power factor PF>0.99
- ◆ Frequency protection
- ◆ Compatible with generator



• Technical Parameter

Parameters	Power Rating	5KVA	10KVA
Input Voltage	Nominal voltage Rating	230VAC 1Phase, 2Wire,+Earth	
	Voltage Range	85-270VAC	
	Frequency	35-70Hz	
Output Voltage	Voltage	220V/230V/240V $\pm$ 0.5%	
	Correction time	10ms	
	Voltage Regulation	$\pm$ 0.5%	
	Output wave form distortion	THD<3%	
	Output frequency	50/60Hz	
	Power factor	PF>0.99	
Protection	Automatic bypass	Yes	
	Manual bypass	Yes	
	Input Under Voltage	80 $\pm$ 1V	
	Input Over Voltage	280 $\pm$ 3V	
	Output Under Voltage	184V/@220V 192V/@230,201V/@240V	
	Output Over Voltage	246V/@220V,250V/@230V,260V/@240V	
	Over-temperature	Module: 80°C Protection/Recovery at 65°C	
	Output Overload	110%>&<120%-5S,(3 times) 120%>&<150%-2S (3 times) >150% cut off immediately	
Display/Indication	Display mode	LCD/LED	
	Communication	RS485	
Physical parameter	Efficiency	Better Than 95%	
	Cooling method	Forced cooling	
	IP	IP20	
	Temperature	0-45°C	
	Humidity	0-95%(RH-Non Condensing)	
	Noise	<60dB	
	Product Size	501*328*128.5 mm	580*358*128.5 mm
	Shipping Size	590*440*240 mm	670*470*240 mm
	Product Weight	10KG	12KG
	Shipping Weight	12KG	14KG