



# MacS

MAINS AC STABILISER - FLUCTUATING POWER CONDITIONER



## Features :

### POWER

- 240V ac mains or generator supply
- 185~285Vac input variation
- 100% THD tolerance
- 1000VA unit

### PROTECTION

- Circuit breakers on input and output
- Temp controlled fan cooling
- Over-temperature shutdown

### CONTROL

- Microprocessor controlled
- Reliable, noiseless triac switching

### DISPLAY

- LED indication of mains correction status
- Add-on metering

### CABINET

- Powercoated steel
- Bench mount

### CONNECTIONS

- 2 meter mains input cable
- 2 standard 3 pin wall outlets

### APPLICATIONS

- Remote power GenSets
- Unstable mains supply
- Long distance voltage-drops
- Solar, Marine, Rural, Automotive, Domestic, Commercial, Industrial.

from.... **WOODS battery chargers**



The WOODS MacS has been designed to provide a stable AC voltage output supply from within a varying input AC voltage range. The standard models of the MacS are meant for operation from a nominal 240Vac supply. These units will supply a stable 230Vac (+/- 3%) from a varying input range of 180Vac to 285Vac. The units will shutdown if the input exceeds 285Vac or if the output supply falls below 200Vac.

The MacS incorporates microcontrolled electronic switching devices operating a multi-stage primary tapped power transformer with processor accuracy. The efficiency of a standard transformer is maintained with no waveform distortion even with the input voltage varying greatly.

<b>MacS</b>	<b>MacS8</b>
Min. Mains Input Voltage	185Vac
Max. Mains Input Voltage	285Vac
Min. Mains Output Voltage	232.5Vac
Max. Mains Output Voltage	247.5Vac
Frequency	50~60Hz
Maximum Consumption	1000VA
Tolerance to Mains Distortion	100% THD
Mains Input Protection	10A Thermal/Magnetic manual reset
Mains Output Protection	10A Thermal/Magnetic manual reset breaker
Temperature Protection: Transformer core	150°C Normally closed - Auto reset
Temperature Protection: Triac ass'y	100°C Normally open - Auto reset
Temperature Protection: Fan cooling	60° C Normally open - Thermostat
Temperature range	-10°C ~ 45°C
Connections : input	10Aac 3pin 2m cable
Connections : output	10Aac Standard 3pin GPO
Cabinet Dimensions: WxDxH	190 x 360 x 210 mm
	