



FEATURES

High output voltage accuracy
 $\pm 1.5\%$

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Ultra high response speed

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Digital servo control

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High efficiency >98% at full load

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Negligible waveform distortion

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Unaffected by load power factor

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Independent phase control

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Indoor tropical rating

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Very low temperature coefficient

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Transient suppression as standard

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Options

Metering Volt/Amps

MCB's

Fuses

Over/Under Voltage relay

Audible alarm/relay

Powerstay MS series Voltage Stabilisers are compact, low power, low cost single phase units ranging from 1.5A to 10 Amps.

All models incorporate Claude Lyons digital servo control providing accurate, responsive voltage correction and regulation.

Units are supplied with an input lead and plug, 13A output socket with ON/OFF switch and power indicator.

SPECIFICATION

Output Voltage	Adjustable 220V to 240V. (Supplied set to 230V)
Input Voltage range	-20% +10% The input voltage correction range (swing) is given in percentage terms relative to the output voltage setting.
Output Voltage stability	$\pm 1.5\%$ of selected output voltage
Supply Frequency	47-65Hz
Waveform distortion	None added
Effect on load PF	None
Surge rating	6 times rated current for 1 second 3 Times rated current for 20 seconds 1.5 Times rated current for 2 minutes
Speed of correction	0.31 seconds (for a 0-10% input voltage change)
Operational temperature range	-5°C to +45°C
Mean temperature over a 24hr period	Not to exceed +35°C
Temperature coefficient	0.01% per °C from ambient
IP rating	IP21
Working altitude	1000 meters (De rate by 2.5% per additional 500 meters)

INPUT VOLTAGE RANGE -20% + 10%

Model	kVA @			Max Current
	220V	230V	240V	
MS 1.5	0.33	0.35	0.36	1.5
MS 3	0.66	0.69	0.72	3
MS 10	2.2	2.3	2.4	10
Dimensions				
	W x D x H(mm)			Weight(kg)
MS 1.5	265 x 195 x 195			8
MS 3	265 x 195 x 195			9
MS 10	295 x 245 x 280			19.5