LEONICS®

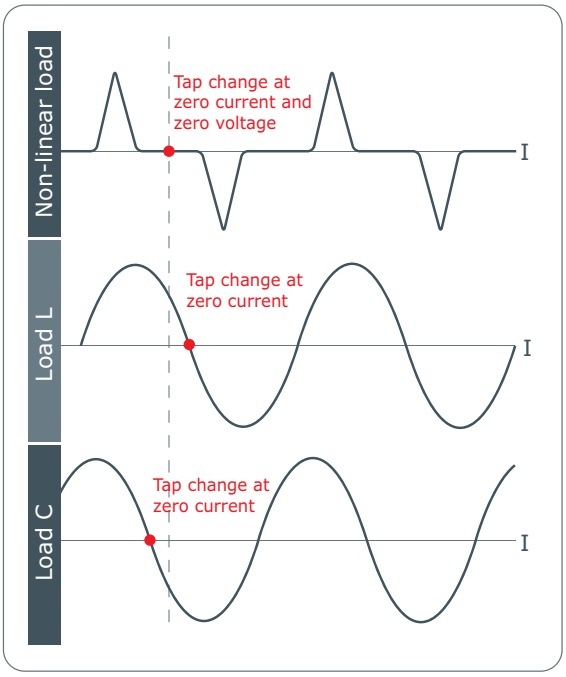
Wise33

WiseMP33

3 Phase 4 Wires Input / Output

ZERO CURRENT AND ZERO VOLTAGE CROSSING AUTOMATIC VOLTAGE STABILIZER

- Microprocessor Control
- Zero current and zero voltage crossing
- Three phase four wires (three single phase control for individual regulation)
- Input voltage is 380 Vac (L-L) / 220 Vac (L-N) +15% -20% for Wise33 series and +15% -17.5% for Wise MP33 series
- Output voltage 380 Vac (L-L) / 220 Vac (L-N) ± 5% for Wise33 series and ± 2.5% for Wise MP33 series
- LED and digital meter on LCD display
- Surge, spike, sag and brownout protection
- EMI/RFI and power line noise protection
- Overload and short circuit protection
- Over voltage and under voltage protection
- Analog Output Volt meter and Amp meter
- RS-232 for PC communication and remote monitoring (option)



The most reliable topology of Automatic Voltage Stabilizer for full protect electrical equipment such as factory automation equipment, medical and scientific equipment, communication equipments, industrial instruments etc.

MASCI
ISO 9001 QMS 01098/349
ISO 14001 EMS 01007/045

NSC-TISI-TIS 17021
QMS 002 / EMS 005

ZERO CURRENT AND ZERO VOLTAGE CROSSING AUTOMATIC VOLTAGE STABILIZER

LEONICS® *Wise33 and Wise MP33* ZERO CURRENT AND ZERO VOLTAGE CROSSING AUTOMATIC VOLTAGE STABILIZER

MODEL	*Wise*	*Wise1033*	*Wise1533*	*Wise2433*	*Wise3033*	*Wise4533*	*Wise6033*	*Wise7533*	*Wise9033*	*Wise12033*	*Wise15033*	*Wise18033*	*Wise21033*
	Wise MP	*WiseMP1033*	*WiseMP1533*	*WiseMP2433*	*WiseMP3033*	*WiseMP4533*	*WiseMP6033*	*WiseMP7533*	*WiseMP9033*	*WiseMP12033*	*WiseMP15033*	*WiseMP18033*	*WiseMP21033*
RATED POWER	Pf. = 1	10 kVA 10 kW	15 kVA 15 kW	24 kVA 24 k W	30 kVA 30 kW	45 kVA 45 kW	60 kVA 60 kW	75 kVA 75 kW	90 kVA 90 kW	120 kVA 120 kW	150 kVA 150 kW	180 kVA 180 kW	210 kVA 210 kW
SYSTEM	Topology	3 phase stabilizer with microprocessor controlled											
	Number of TAP Change	4 taps for Wise xx33 8 taps for Wise MPxx33											
	Crossing Technique	zero current and zero voltage crossing											
INPUT	Voltage	380 Vac / 220 Vac + 15% - 20% (3 single phase 4 wires) for Wise xx33 380 Vac / 220 Vac + 15% - 17.5% (3 single phase 4 wires) for Wise MPxx33											
	Frequency	50 / 60 Hz ± 6% (auto sensing)											
	Wave form	pure sine wave											
OUTPUT	Voltage	380 Vac / 220 Vac ± 5% (3 single phase 4 wires) for Wise xx33 380 Vac / 220 Vac ± 2.5% (3 single phase 4 wires) for Wise MPxx33											
	Frequency	synchronize with input											
	Wave form	pure sine wave (sinusoidal)											
	Total harmonic distortion	less than 0.2% THD											
	Overload capability	100% for continuos load, 150% for 1 min. and 1000% for 1 cycle							100% for continuous load and 150% for 1 min.				
	Crest factor ratio	3:1											
EFFICIENCY	AC to AC (at full load)	more than 96%											
SYSTEM	Overload	automatic shutdown											
PROTECTION	Over/under voltage	automatic shutdown with manual restart or auto restart (selectable)											
	Short circuit	circuit breaker											
	Surge energy dissipation	3 x 400 joules (40 kA)											
	Surge clamping voltage	710 Vp											
	Power dissipation	3 x 5,500,000 W within 100 microsec.											
	EMI / RFI dissipation	100 kHz - 80 MHz											
	Attenuation	more than 36 dBA											
MANUAL CONTROLS	Maintenance bypass switch	yes											
INDICATOR	Front panel LED's	AVR, alarm, load level, surge protector, input status, maintenance bypass											
	Digital meter on LCD display	input voltage, input frequency, output voltage, output current, %load, system status											
	Analog meter	output voltage, output current											
AUDIBLE ALARM		overload, over voltage, under voltage, phase fail (unbalance phase), frequency fault											
ACOUSTIC NOISE	At 1 metre	less than 50 dBA											
ENVIRONMENT	Temperature	0°C to 45°C											
	Humidity	0 - 95% (non-condensing)											
DIMENSIONS	W x H x D (cm.)	32.5 x 74.5 x 64.5				60 x 188 x 105						95 x 185 x 115	
WEIGHT	Approximate in kg.	100	116	157	170	381	401	494	662	671	756	1,300	