

S E R I E S

BENEFITS AND TOP PERFORMANCES

A P P L I C A T I O N S

- Computers and Data processing.
- Computer peripherals.
- Ofimatics equipment.
- Telecommunication and transmission equipment.
- Control and production processes equipment.
- Numerical control machines.
- Laboratory equipment.
- Electronic equipment.
- Photography controls and processes.
- Any electrical or electronic equipment sensitive to voltage variations.

GENERAL TECHNICAL SPECIFICATIONS

Input	Voltage:	Single phase: 220V, 230V or 240V. Three phase: 3 x 380V, 3 x 400V or 3 x 415V.
	Regulation range:	± 15%.
	Frequency:	48 ÷ 63 Hz.
	Power factor:	0.95.
Output:	Voltage:	Single phase: 220V, 230V or 240V. Three phase: 3 x 380V, 3 x 400V or 3 x 415V.
	Accuracy:	± 2%.
	Nominal rating:	See table.
	Frequency:	48 ÷ 63 Hz.
	Max. Amps.:	See table.
	Harmonic distortion:	NIL.
	Correction time:	20 ms.
	Efficiency:	0.90 ÷ 0.98 (depending on the model).
	Overload:	200% for 1 minute. 300% for 20 seconds. 1000% for 50 ms.
	Operating temperature:	-10°C to + 45°C.
	Relative humidity:	0 to 95% non condensing.
	Operating altitude:	Sea level to 3000m.
	Audible noise at 1m.:	<35 dB.
	Natural ventilation:	For models < 36 kVA.
Power factor:	0.5 lagging to 0.7 leading.	
Common noise attenuation:	PLC with (T) transformer: > 40 dB. PLC with (NS) transformer: > 120 dB.	
Generals:	MTBF:	60.000 h.
	MTTR:	30 min.
	By-pass circuit:	From 1 kVA above.

OTHER SALICRU PRODUCTS

- "On-Line" and "Off-Line" Uninterruptible Power Supply. (UPS)
- Other models of Line Conditioners.
- Voltage Stabiliser & Dimmer for Lighting.
- Servo-motor Voltage Stabilisers.
- Ferro-resonant Voltage Stabilisers.
- Frequency inverters (AC motor speed regulation).
- Static soft start for AC motors.
- Power Distribution Equipment.
- AC/AC Power Supply.
- AC/DC Power Supply.
- DC/AC Sine-wave Inverters.
- Battery chargers.
- Ultra Isolation Transformers.
- Variable Transformers.



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SALICRU



"RE" ELECTRONIC VOLTAGE STABILISERS
"PLC" POWER LINE CONDITIONERS
SERIES 2

Clean and stable power the key to operate effectively and efficiently

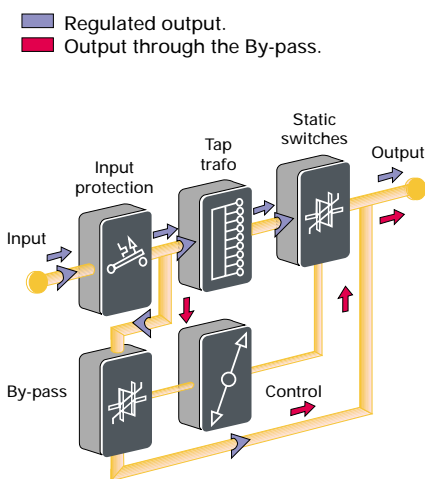
VOLTAGE STABILISERS SERIES RE 2

The Electronic Voltage Stabiliser Series RE 2 is based on a multi-tap transformer, each one of them linked electrically to a solid state switch. These switches are governed by a control board incorporating a microprocessor which controls the output voltage and depending of its level selects one or another tap in order to get the most optimal voltage level and with the pre-set accuracy. The new stabiliser is provided with a servo-system comparing the output voltage instead of controlling the input voltage. This feature makes the RE 2 more accurate.

The constant increasing technological complexity of the modern industrial equipment require a clean and perfectly stabilised power supply.

The new Series 2 of SALICRU Electronic Voltage Stabilisers and Power Line Conditioner have been updated according to the needs of strict regulated voltage of a today's global market and with a day to day more exacting standards.

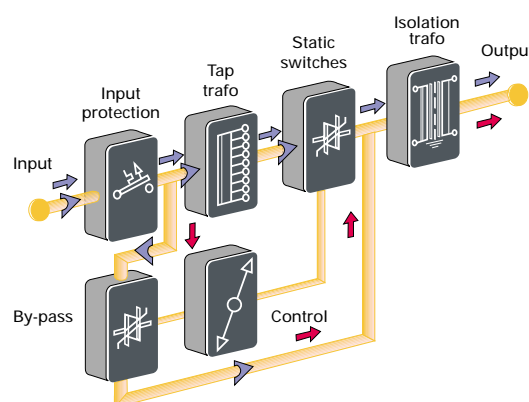
The excellent acceptance at international level that enjoyed the previous "RE" Series, has stimulated us to improve and develop the necessary prototypes which have lead in the new Series 2. We have to pick out the incorporation of a microprocessor as well as the new external design of the equipment, adapted to the today's stringest requirements of the market.



RE-2 Voltage Stabiliser.

Outstanding advantages and features:

- Output voltage control and adjustment by microprocessor.
- Higher stability of the output voltage.
- Wide input ranges, up to +/- 25% on request.
- Independent phase regulation.
- Solid state By-pass controlled by microprocessor.
- Power ratings above 150 kVA available on request.
- Manual By-pass (optional) on request.
- Communication ports (optional) available: RS-232, RS-485, or relay interface.
- ON/OFF function by means of micro-switch.
- Harmonic distortion: NIL.
- Admittance of any power factor.
- Fast speed response.
- Electronic control without electromechanical elements.



PLC-2 Power Line Conditioner.

POWER LINE CONDITIONERS SERIES PLC 2

Of similar technology to that of the Electronic Voltage Stabilisers of the Series 2, it incorporates a transformer with galvanic isolation, of low

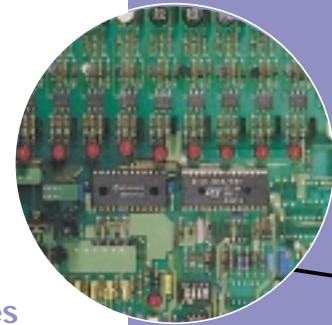
capacitance between primary and secondary winding. This addition enables to supply a perfectly stable output voltage free of any electrical noise.

Versions:

- Single phase.
- Three phase.
- Single and three phase with "T" Isolation Transformer = Power Line Conditioner.
- Single and three phase with "NS" Ultra Isolation Transformer = Power Line Conditioner.

Signalling:

- Visual: Line, On, solid state By-pass, Output, Out of service (optional).
- Analogue measuring of the output voltage.



PARTICULAR TECHNICAL SPECIFICATIONS

«RE 2» Voltage Stabilisers.
Single phase 230V ± 15% / 230V.

Type	Power (kVA)	Max. Amps	Dimensions (mm.)			Weight (kg)
			Depth	Width	Height	
RE 309-2	0,3	1,3	250	210	185	5
RE 609-2	0,6	2,6	250	210	185	6
RE 1.009-2	1	4,3	250	210	185	9
RE 2.009-2	2	8,7	390	250	195	15
RE 3.009-2	3	13	390	250	195	23
RE 4.509-2	4,5	20	530	300	220	37
RE 6.009-2	6	26	530	300	220	45
RE 9.009-2	9	39	530	300	220	60
RE 12.009-2	12	52	650	340	240	65
RE 15.009-2	15	65	650	340	240	72
RE 20.009-2	20	87	650	340	240	80
RE 25.009-2	25	109	780	350	690	120
RE 30.009-2	30	130	780	350	690	190
RE 40.009-2	40	174	930	430	715	280
RE 50.009-2	50	217	930	430	715	310

«PLC 2» Power Line Conditioners.
Single phase 230V ± 15% / 230V.

Type	Power (kVA)	Max. Amps	Dimensions (mm.)			Weight (kg)
			Depth	Width	Height	
RE 309-2T	0,3	1,3	250	210	185	11
RE 609-2T	0,6	2,6	330	230	185	14
RE 1.009-2T	1	4,3	330	230	185	17
RE 2.009-2T	2	8,7	530	300	220	37
RE 3.009-2T	3	13	530	300	220	44
RE 4.509-2T	4,5	20	650	340	240	73
RE 6.009-2T	6	26	650	340	240	78
RE 9.009-2T	9	39	780	350	690	115
RE 12.009-2T	12	52	780	350	690	140
RE 15.009-2T	15	65	780	350	690	190
RE 20.009-2T	20	87	780	350	690	240
RE 25.009-2T	25	109	930	430	715	290
RE 30.009-2T	30	130	930	430	715	320
RE 40.009-2T	40	174	620	600	1.600	360
RE 50.009-2T	50	217	620	600	1.600	400

«PLC 2» Power Line Conditioners.
Three phase 3 x 400V ± 15% / 3 x 400V.

«RE 2» Voltage Stabilisers.
Three phase 3 x 400V ± 15% / 3 x 400V.

Type	Power (kVA)	Max. Amps	Dimensions (mm.)			Weight (kg)
			Depth	Width	Height	
RET 3-3	3	4,3	530	300	220	52
RET 6-3	6	8,7	650	340	240	61
RET 9-3	9	13	650	340	240	72
RET 13-3	13,5	20	640	260	640	125
RET 18-3	18	26	640	260	640	138
RET 27-3	27	39	640	260	640	145
RET 36-3	36	52	780	350	690	156
RET 50-3	50	72	780	350	690	168
RET 60-3	60	87	930	430	715	190
RET 75-3	75	108	930	430	715	250
RET 100-3	100	145	690	750	1.600	318
RET 125-3	125	181	690	750	1.600	510
RET 150-3	150	217	690	750	1.600	650

Type	Power (kVA)	Max. Amps	Dimensions (mm.)			Weight (kg)
			Depth	Width	Height	
RET 3-3T	3	4,3	650	340	240	80
RET 6-3T	6	8,7	640	260	640	120
RET 9-3T	9	13	640	260	640	138
RET 13-3T	13,5	20	780	350	690	150
RET 18-3T	18	26	780	350	690	165
RET 27-3T	27	39	930	430	715	190
RET 36-3T	36	52	930	430	715	300
RET 50-3T	50	72	690	750	1.600	400
RET 60-3T	60	87	690	750	1.600	480
RET 75-3T	75	108	690	750	1.600	590
RET 100-3T	100	145	690	750	1.600	780
RET 125-3T	125	181	1.000	900	1.800	950
RET 150-3T	150	217	1.000	900	1.800	1.100

Three phase models are also manufactured for 3 x 230V.
For other power rating, voltages and/or specifications, please consult.
SALICRU, S.A. reserves the right to modify the above specifications without notice.