S E R I E S 2

BENEFITS AND TOP PERFORMANCES

APPLICATIONS

- 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.

TÜV PRODUCT SERVICE Quality system certified to ISO 9001

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SALICRU

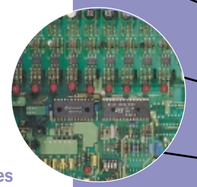
"RE" ELECTRONIC VOLTAGE STABILISERS "PLC" POWER LINE CONDITIONERS SERIES 2

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.

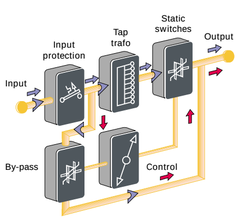
The constant increasing technological complexity of the modern industrial equipment require a clean and perfectly stabilised power supply.
The new Series 2 of SALICRU Electronic Voltage Stabilisers and Power Line Conditioner have been updated according to the needs of strict regulated voltage of a today's 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 develope 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.



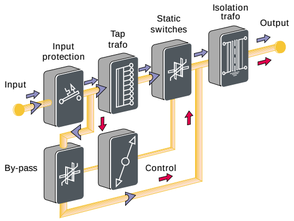
Outstanding advantages and features:

- 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.

Regulated output.
Output through the By-pass.



RE-2 Voltage Stabiliser.



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).
- Analoge measuring of the output voltage.

Controls:
- Input MCCB.
- ON/OFF MCB.
- Voltage selector switch phase to phase and phase to neutral, for the output voltmeter (only available on the three phase equipment).
- Start-up of the Hi/Low voltage protection with manual or automatic resetting (optional).

Optional:
- Manual By-pass for maintenance.
- HI/LOW voltage protection, with manual or automatic resetting.
- Communication ports RS-232, RS-485 or relay interface.
- Lightning arrestors.
- Output MCCB.

ISO 9001

PARTICULAR TECHNICAL SPECIFICATIONS

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

Type		Power (kVA)	Max. Amps	Dimensions (mm.) Depth	Width	Height	Weight (kg)
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.) Depth	Width	Height	Weight (kg)
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

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

Type		Power (kVA)	Max. Amps	Dimensions (mm.) Depth	Width	Height	Weight (kg)
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

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

Type		Power (kVA)	Max. Amps	Dimensions (mm.) Depth	Width	Height	Weight (kg)
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.