



EOS – ELECTRONIC-ONLINE-STABILIZER VOLTAGE STABILIZING IN MILLISECONDS

THE SITUATION THAT YOU FACE

Safe and reliable supply of electricity of the key factor to ensuring operational security and to reducing costs in the longterm. If a stable supply of electrical energy can not be guaranteed the customer faces high risks of unplanned downtimes and often ends up paying increased energy costs.

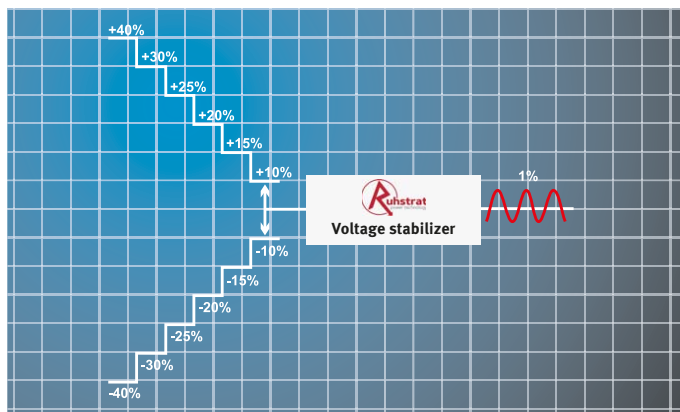
Overcome the trouble of instable mains with Ruhstrat EOS

With Ruhstrat EOS you have a convenient and reliable solution to ensure power quality locally and overcome the dependence on energy utility companies. Ruhstrat EOS is able to supply constant voltage even if your local voltage supply is out of limits or the grid is unstable. You will reduce your costs and improve operational security due to the following benefits:

- Minimize downtimes and increase capacity in production
- Extend the lifespan of equipment
- Improve the quality of services and products
- Reduce costs through a highly efficient and compact solution

Working principle

EOS is capable of controlling the load side voltage in less than 10 ms to nominal values. As it is an online system the regulation starts within 250µs and compensation is typically achieved within 2–3 ms. Therefore all problems regarding imbalances and voltage swells will be compensated after installation. The fast action of EOS is unique and especially important if voltage recovers from a dropout. EOS is using OLIVER technology and has many references within industry.



Ruhstrat has over 80 years of experience in the field of voltage regulation



EOS System 800 kW ± 20 %



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Available product range

Size	Rated real power and regulation range				Mechanical dimensions IP21*			
	± 15 %	± 20 %	± 25 %	± 30 %	Width mm	Depth mm	Height mm	Weight kg
1	550 kW	400 kW	300 kW	240 kW	800	600	2200	900
2	1100 kW	800 kW	600 kW	480 kW	1600	800	2200	1800
3	1650 kW	1200 kW	900 kW	720 kW	2000	800	2200	2350
4	2200 kW	1600 kW	1200 kW	960 kW	2400	800	2200	3000
5	2750 kW	2000 kW	1500 kW	1200 kW	3200 or 1800	800 or 1400	2200	4150
6	3300 kW	2400 kW	1800 kW	1440 kW	3200 or 1800	800 or 1400	2200	5100

* IP54 also available on request.
480 V System may have additional weight – Power factor $\geq 0,8$

Additional EOS and OLIVER products and services

- Service bypass
- IP54 Housing
- Increased ambient temperatures
- Additional measurement instrumentation
- Customer specific design
- On-site measuring and consulting
- Global support

Installation requirements

EOS must be installed on stable foundations and shall be installed in a restricted access location.

The system shall be installed within a clean electrical room having a maximum ambient temperature of 40 °C. The system is designed to be used for commercial or industrial applications. Systems requiring increased environmental and or technical conditions are available on request.

EOS is designed according to international standards

Quality	ISO 9001
Environment	ISO 14001
EMC	IEC / EN 61000-6-2, 2004-108/EC