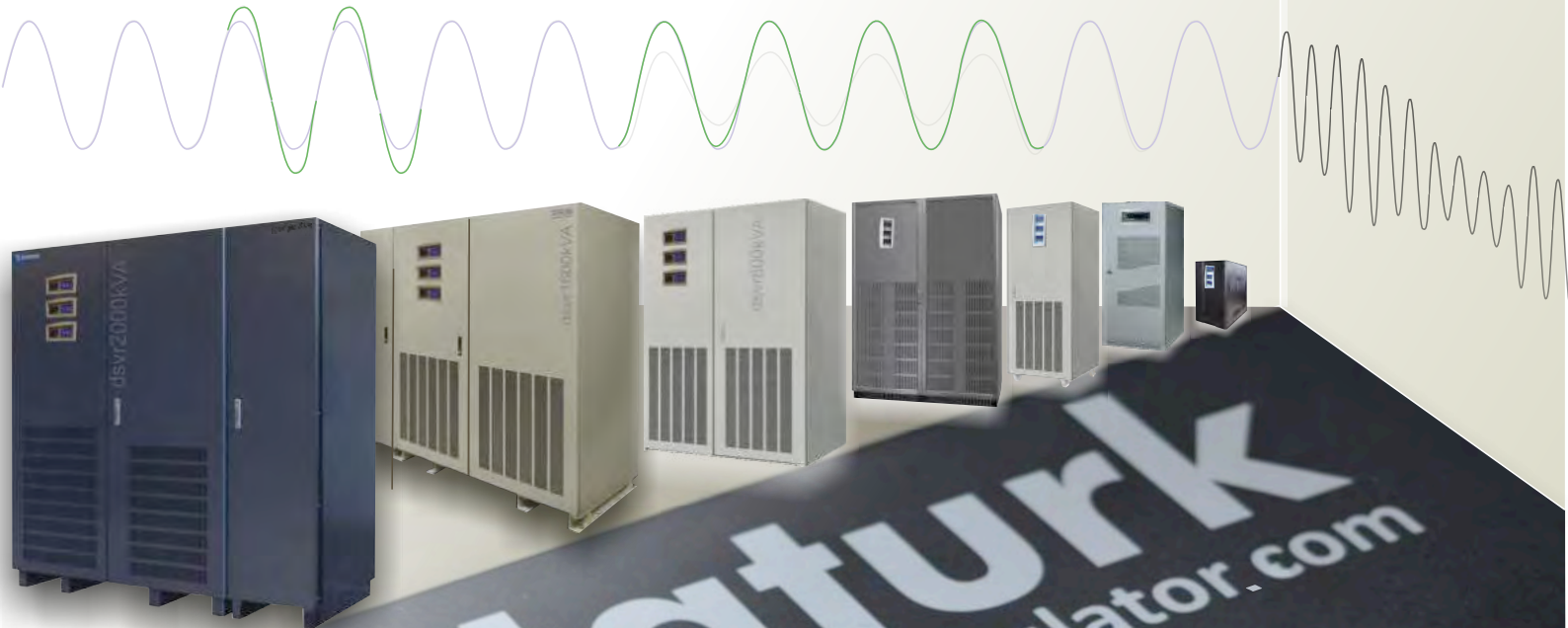
Power conditioning products

Electronic Voltage Regulator | DATADIGITAL-SVR11 3,5 - 50kVA
DATADIGITAL-SVR33 30 - 3500kVA

Static Voltage Stabilizers

SAG CORRECTION AND VOLTAGE REGULATION SOLUTIONS FOR POWER QUALITY PROBLEMS



Datatürk
www.datastatikregulator.com

DATATURK ELECTRONIC ENGINEERING
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www.dataelektrik.com

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ISO 9001:2000 REGISTERED COMPANY

DATATURK;Established in 1983, Datatürk continues to produce Static Voltage Regulators, Ac Motors Drivers and Uninterruptible Power Supplies for 35 years without compromising on quality and reasonable price policy.

Our company, which has a significant market share in Turkey, especially in the production of static voltage regulators, exports to 85 countries through the companies which buy OEM products or directly under its own brand.

The source of this success is our competitive products, which we have developed together with our constantly developing and renewed technology in addition to our 35 years of experience.

Our quality and service policy is based not only on the sales stage but also on the unique technical support we provide for the satisfaction of our customers after the sale.

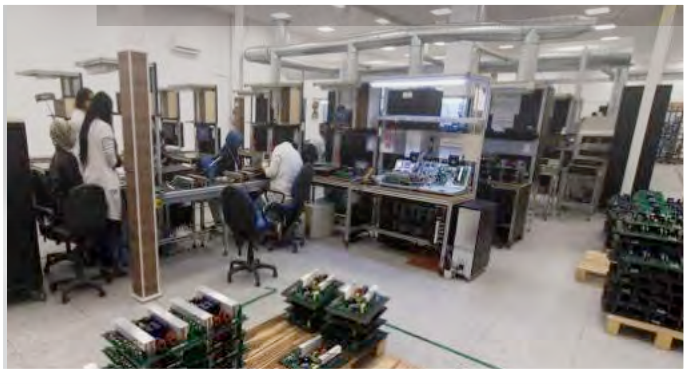
We offer static voltage stabilizers 7.5kVA- 30kVA as single phase and 30kVA- 3500kVA as 3 phase.

We also offer production for indoor and outdoor customized static stabilizer projects according to our customer's

Solution of the user; rather than just low price indexed profiles, industry experience, knowledge, technical specifications can be achieved under the engineering knowledge and skills with a real preference is possible with organizations that can provide references.

This way, less time and money will be lost.

DATATURK Since its foundation in the field of production and services is committed to the highest quality.



AC Motor Speed Control Devices

· From 0,75kW up to 300kW

Static Voltage Stabilizers

• From 3,5kVA up to 3500kVA

Uninterruptible Power Supply

• From 6kVA up to 400kVA

Regulated Static Transfer Switch

• From 6kVA up to 100kVA

Safety: EN 62040-1-1 (Directive 2006/95/EC);
EMC : EN 62040-2 (Directive 2004/108/EC)

A total solution

Suitable for most types of electrical and electronic equipment, the DATATURK Datadigital-SVR Series Static Electronic Digital AC Voltage Stabilisers continuously monitor the incoming supply.

Should the incoming voltage rise or drop, the Stabilisers will automatically control the output to ensure the voltage reaching the load equipment always remains constant at the requisite voltage.

Inbuilt spike protection ensures the load is continuously protected against harmful mains born high energy spikes and surges

Basics of power quality

The PQ PyramidE
The key elements of an effective PQ strategy:

Surge protection

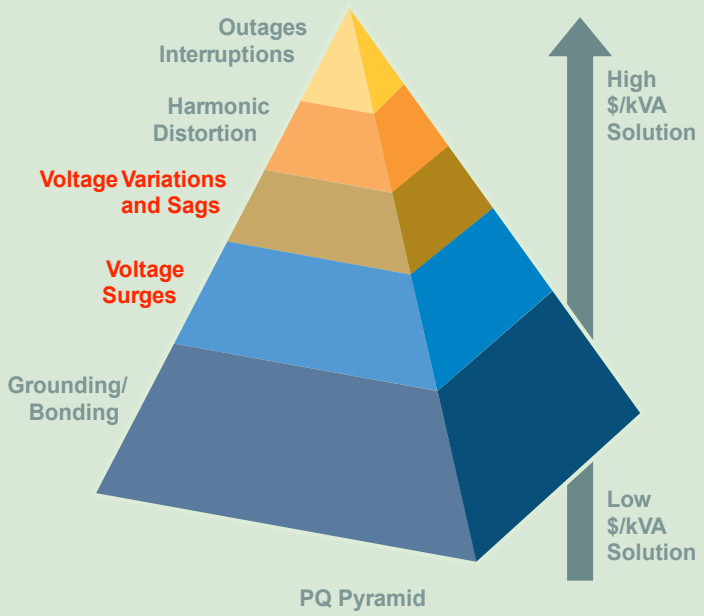
- Eliminates problems associated with transients traveling on AC, telephone and communication lines

Voltage regulation

- Stabilizes a facility's voltage and eliminates costly problems due to undervoltage and overvoltage events

Effective grounding

- A well-designed and properly installed grounding system is required for safety and operation of all electrical equipment



All Digital Controls
All digital microprocessor control and operation ensures Datadigital-SVR AC Voltage Stabilisers provide the highest level of performance.

The standard LCD display provides information on the operational status and loading on the stabilizer, and enables the configuration of a number system parameters for more demanding applications where customization is required.

Static / Solid State Design
Datadigital-SVR Series AC Voltage Stabilisers use solid state devices (SCRs) to select transformer taps to regulate the output.

Unlike other similar solutions, Datadigital-SVR Stabilisers by nature of their design do not require the SCRs to carry the full load, just a fraction thereby delivering far superior reliability to similar systems found on the market.

With no moving parts, they are virtually 'Maintenance Free' solutions.

Ultra Fast Speed of Response
Compact in size and quiet in operation, Datadigital-SVR Series AC Voltage Stabilisers deliver an unsurpassable speed of response making them ideal for highly sensitive loads.

Professional Solutions

Datadigital-SVR

√ Single Phase Regulators
√ Three-Phase Regulators

Overview

Compliance with International Standards
Designed, manufactured and supplied to comply with leading international standards. Fully CE compliant and labelled.

Input & Output Protection with Manual Bypass
Input Switch / Breaker with Output Isolation and Manual Bypass facility, including integrated mechanical / electronic interlocking to prevent inadvertent mis-operation..

Over / Low Voltage Protection
Ability to automatically shutdown the Voltage Stabiliser in the event of the input supply voltage going outside pre-set input voltage parameters.

Independent Phase Control
Independent phase voltage sensing and control to ensure the individual phase voltages remain stable - regardless of load unbalance .

SPD Class II Surge Arrestors Protection
against extremely high voltage surges and transients caused by lightning induced strikes on the utility supply line.

Digital LCD Monitoring Panel & RS/485 Interface
Displaying real time operational status, key system readings and alarm events with RS/485 Interface ability for remote monitoring.

Optional Accessories
Input and output Isolation Transformer, IP54 / NEMA 3 Style Outdoor Enclosures and alternative Switching Arrangements

Problem..

Reliable power demand..

TROUBLES COME : LOWER THAN 90% OF NOMINAL VOLTAGE AND STARTING FROM 10 sec, ABOVE 110% OF OF NOMINAL VOLTAGE AND STARTING FROM 0.5 sec

DATADIGITAL-SVR SERIES STATIC VOLTAGE REGULATORS

Datadigital-SVR is a static voltage regulator with no moving parts in the static voltage regulators. Voltage regulation is performed entirely by microcontroller-controlled digital technology for milliseconds. There are no parts that are worn out and old in time. Theoretically, life is endless.

Long Term Use...

Datadigital-SVR Series static voltage stabilizer are the automatic voltage regulating machines which does not include moving part inside it.

Static Voltage Stabilizers regulate voltage value in milliseconds with microprocessor controlled digital technology. There are no moving parts inside the device that will worn and require maintenance in time. However, in classic servo motor voltage regulators, there are moving and mechanical friction parts such as motor collectors, variable transformer brushes and brush bearings. These moving parts wear over time and the accumulation of dust in between the parts can cause fault in a short time. In addition, when the machine work continuously under load, transformer surface may become heat and wear and even voltage interruptions occur. In other words, the static stabilizers provide a long term use since the regulation is done electronically

High Reliability...

Datadigital-SVR, Static Voltage Regulators are fully microprocessor, thyristor controlled and works with digital technology. When there are abnormal conditions like over voltage, low voltage, overcurrent, over-heat and output short-circuit, stabilizer protects itself and its load. RFI and EMI filters are available as standard.

Very High Speed Correction...

Datadigital-SVR, Static Voltage Regulators instantly feel the change in the mains voltage and set the output voltage in the range of 220V + 2% within 20 milliseconds.In classic servo motor voltage regulators; Correction of the mains voltage is achieved by the brushes driven by a motor adjusting the output voltage of the variable transformer.This means that it causes wear and slow response to rapid mains voltage changes. Since the output voltage correction speed is done in seconds in classic servo type regulators, It is considered to be very slow for modern electronic devices.

High Inrush Current ...

Datadigital-SVR, Static Voltage Regulators instantly feel the change in the mains voltage and set the output voltage in the range of 220V + 2% within 20 milliseconds.In classic servo motor voltage regulators; Correction of the mains voltage is achieved by the brushes driven by a motor adjusting the output voltage of the variable transformer.This means that it causes wear and slow response to rapid mains voltage changes. Since the output voltage correction speed is done in seconds in classic servo type regulators, It is considered to be very slow for modern electronic devices..

No Distortions ...

Datadigital-SVR, Static Voltage regulators perform voltage regulation with static elements (thyristor) in the ZERO TRANSFER logic with STEP_UP / DOWN method. Current transfer is zero-pass. Therefore, it does not contain harmonics.



Power conditioning voltage regulators

Datadigital-SVR11 Single-phase

Rating From 3,5 to 50kVA

- Advanced Technology Products
- Fully digital microprocessor control
- Thyristor Tap Changer System
- Zero Transfer / No Distortion
- 20 millisecond response speed
- Overload, Over and Under Voltage, Surge, Sage, Output Short-Circuit Protection
- EMI / RFI Noise Filter
- True RMS-Real effective measurement scheme
- Alphanumeric LCD 2X16 LCD Display
- Controlled User Password Parameter Settings

Standart	Special	Special XX
Voltage range from **170V to 260V**	Voltage range from **130V to 260V**	Voltage range from **90V to 280V**
Six taps optimal regulation	Eight taps optimal regulation	Ten taps optimal regulation
Response time of 1/2 cycle	Response time of 1/2 cycle	Response time of 1/2 cycle
Output correction within 1.5 cycles	Output correction within 1.5 cycles	Output correction within 1.5 cycles
±3% voltage output ±2% voltage output (optional)	±3% voltage output ±2% voltage output (optional)	±3% voltage output
Frequency range of 53–63 Hz	Frequency range of 53–63 Hz	Frequency range of 53–63 Hz
No additional harmonics(THD)	No additional harmonics(THD)	No additional harmonics(THD)
Continuous voltage regulation	Continuous voltage regulation	Continuous voltage regulation
Voltage balance correction	Voltage balance correction	Voltage balance correction
Separate coupling transformer	Separate coupling transformer	Separate coupling transformer
Continuous sag correction	Continuous sag correction	Continuous sag correction
High efficiency of approximately 97%	High efficiency of approximately 97%	High efficiency of approximately 97%
Audible noise of 52–56 dB at 1 meter	Audible noise of 52–56 dB at 1 meter	Audible noise of 52–56 dB at 1 meter
Operating temperature of –20°C to +50°C	Operating temperature of –20°C to +50°C	Operating temperature of –20°C to +50°C
Bypass switch	Bypass switch	Bypass switch
Triple-shielded isolation transformer (optional)	Triple-shielded isolation transformer (optional)	Triple-shielded isolation transformer (optional)
Overtemperature protection	Overtemperature protection	Overtemperature protection
Optional surge protection unit	Optional surge protection unit	Optional surge protection unit
Optional metering	Optional metering	Optional metering
Two-year warranty	Two-year warranty	Two-year warranty

Usega areas

- Home and office
- Communication systems, GSM Base stations
- Lighting equipment
- Laboratory devices
- Industrial automation systems

DATACENTER E-MEDICAL INDUSTRY TRANSPORT EMERGENCY

MODELS	DSVR115	DSVR117,5	DSVR1110	DSVR1115	DSVR1120	DSVR1125	DSVR1130	DSVR1140	DSVR1150
POWER	**5 KVA**	**7,5 KVA**	**10 KVA**	**15 KVA**	**20 KVA**	**25 KVA**	**30 KVA**	**40 KVA**	**50 KVA**
INPUT									
Input voltage range	**Phase + N**; 220 - 230 - 240 Vac ± 20% (selectable from - 60% to + 30%)								
Frequency	45 - 65 Hz (Automatic frequency detection)								
Power factor	> 0,99								
Harmonic current distortion	No additional distortion								
Input current	30A	45A	60A	90A	120A	150A	175A	235A	300A
OUTPUT									
Output voltage	**Phase + N**; 220 - 230 - 240 Vac ± 1-3~% (selectable ± 1-2~%)								
Output current	25A	35A	45A	60A	90A	115A	135A	180A	225A
Output frequency	50 or 60 Hz (selectable)								
Protections	Over(peak, surge) and under voltage(sag), over current, short-circuit,								
Nominal power (kVA)	5	7,5	10	15	20	25	30	40	50
Active power (kW)	4,5	6,75	9	13,5	18	22,5	27	36	45
Number of phases	1 + N								
Nominal voltage	380 - 400 - 415 Vac Single -phase + N								
Ripple current	Zero								
Voltage distortion	< 1% with linear load / < 1% with non-linear load								
Overload	110% for 60'; 125% for 10'; 150% for 1'								
Response time	20 milisecond								
Efficiency	> 97%								
Harmonic distortion	No distortion								
Ambient temparature	–20°C to +50°C								
Relavite humidity	<95% non-condensing								
Noise level	Audible noise of 52–56 dB at 1 meter								
Filter	RFI-EMI Filter								
Standards	Safety: EN 62040-1-1 (Directive 2006/95/EC); EMC: EN 62040-2 (Directive 2004/108/EC)								
BYPASS	Available								
INFO FOR INSTALLATION									
Weight (kg)	15	20	25	40	55	70	95	115	150
Dimensions (WxDxH) (mm)	270 x 470 x 480		270 x 470 x 480			400 x 470 x 700		400 x 470 x 700	
Display	Graffic 2x16 LCD display (input- output voltage)								
Remote signals	dry contacts (configurable)								
Remote controls	Input MCCB and bypass (configurable)								
Isolation Transformers	Input and Output İsolation Transformer (configurable)								
Communications	(Optional) RS232 + Rs485 + dry contacts + 2 slots for communications interface								
Colour	Dark grey RAL 7016, RAL 7035 or RAL 9005								
IP rating	IP20 (others on request)								
Moving the Regulator	transpallet								

LCD Front Panel; Front panel with mimic diagram in the information available about the status of the device at first glance. With LCD display accommodating the different language options, the device input and output values (voltage, current, frequency) read each and can be calibrated. Upper and lower levels of operating voltage regulator, input voltage, the lower and upper levels, the lower and upper levels of the regulated output voltage, output voltage, the lower and upper levels of protection, extreme low and extreme high-voltage cut-off time, voltage calibration setting with the preference for negative and positive polarity macros pasword protection control of work and parameters can be presented to the user.

Power conditioning voltage regulators

Datadigital-SVR33
Three-phase

Rating From 30 to 300kVA

Machine& Series

- Advanced Technology Products
- Fully digital microprocessor control
- Thyristor Tap Changer System
- Zero Transfer / No Distortion
- 20 millisecond response speed
- Overload, Over and Under Voltage, Surge, Sage, Output Short-Circuit Protection
- EMI / RFI Noise Filter
- True RMS-Real effective measurement scheme
- Alphanumeric LCD 2X16 LCD Display
- Controlled User Password Parameter Settings

MODULAR CONSTRUCTION
Fast & Easy maintenance.

Standart	Special	Special XX
Voltage range from **300V to 450V**	Voltage range from **225V to 450V**	Voltage range from **155V to 485V**
Six taps optimal regulation	Eight taps optimal regulation	Ten taps optimal regulation
Response time of 1/2 cycle	Response time of 1/2 cycle	Response time of 1/2 cycle
Output correction within 1.5 cycles	Output correction within 1.5 cycles	Output correction within 1.5 cycles
±3% voltage output ±2% voltage output (optional)	±3% voltage output ±2% voltage output (optional)	±3% voltage output
Frequency range of 53–63 Hz	Frequency range of 53–63 Hz	Frequency range of 53–63 Hz
No additional harmonics(THD)	No additional harmonics(THD)	No additional harmonics(THD)
Continuous voltage regulation	Continuous voltage regulation	Continuous voltage regulation
Voltage balance correction	Voltage balance correction	Voltage balance correction
Separate coupling transformer	Separate coupling transformer	Separate coupling transformer
Continuous sag correction	Continuous sag correction	Continuous sag correction
High efficiency of approximately 97%	High efficiency of approximately 97%	High efficiency of approximately 97%
Audible noise of 52–56 dB at 1 meter	Audible noise of 52–56 dB at 1 meter	Audible noise of 52–56 dB at 1 meter
Operating temperature of –20°C to +50°C	Operating temperature of –20°C to +50°C	Operating temperature of –20°C to +50°C
Bypass switch	Bypass switch	Bypass switch
Triple-shielded isolation transformer (optional	Triple-shielded isolation transformer (optional)	Triple-shielded isolation transformer (optional)
Overtemperature protection	Overtemperature protection	Overtemperature protection
Optional surge protection unit	Optional surge protection unit	Optional surge protection unit
Optional metering	Optional metering	Optional metering
Two-year warranty	Two-year warranty	Two-year warranty

Usega areas

CNC machine tools, lathes, mills, machining center, laser cutting, computerized woodworking machinery, printing and typesetting machines, packing and bottling machines, knitting and embroidery machines, industrial system and medical devices

MODELS	DSVR3330	DSVR3345	DSVR3360	DSVR3375	DSVR33100	DSVR33120	DSVR33150	DSVR33200	DSVR33250
POWER	**30 KVA**	**45 KVA**	**60 KVA**	**75 KVA**	**100 KVA**	**120 KVA**	**150 KVA**	**200 KVA**	**250 KVA**
INPUT									
Input voltage range	**Three-Phase + N**; 380 - 400 - 415 Vac ± 20% (selectable from - 60% to + 30%)								
Frequency	45 - 65 Hz (Automatic frequency detection)								
Power factor	> 0,99								
Harmonic current distortion	No additional distortion								
Input current	60A	90A	120A	150A	200A	235A	300A	390A	490A
OUTPUT									
Output voltage	**Three Phase + N**; 380 - 400 - 415 Vac ± 1-3~% (selectable ± 1-2~%)								
Output current	45A	68A	90A	115A	150A	180A	225A	300A	380A
Output frequency	50 or 60 Hz (selectable)								
Protections	Over(peak, surge) and under voltage(sag), over current, short-circuit,								
Nominal power (kVA)	30	45	60	75	100	120	150	200	250
Active power (kW)	24	36	48	60	80	96	120	160	200
Number of phases	3 + N								
Nominal voltage	380 - 400 - 415 Vac -Three phase + N								
Ripple current	Zero								
Voltage distortion	< 1% with linear load / < 1% with non-linear load								
Overload	110% for 60'; 125% for 10'; 150% for 1'								
Response time	20 milisecond								
Efficiency	> 97%								
Harmonic distortion	No distortion								
Ambient temparature	–20°C to +50°C								
Relavite humidity	<95% non-condensing								
Noise level	Audible noise of 52–56 dB at 1 meter								
Filter	RFI-EMI Filter								
Standards	Safety: EN 62040-1-1 (Directive 2006/95/EC); EMC: EN 62040-2 (Directive 2004/108/EC)								
BYPASS	Available								
INFO FOR INSTALLATION									
Weight (kg)	115	145	185	220	275	300	415	550	700
Dimensions (WxDxH) (mm)	400 x 800 x 800		460 x 500 x 1130		500 x 700 x 1650			1150 x 950 x 1700	
Display	Graffic 2x16 LCD display (input- output voltage)								
Remote signals	dry contacts (configurable)								
Remote controls	Input MCCB and bypass (configurable)								
Isolation Transformers	Input and Output İsolation Transformer (configurable)								
Communications	(Optional) RS232 + Rs485 + dry contacts + 2 slots for communications interface								
Colour	Dark grey RAL 7016, RAL 7035 or RAL 9005								
IP rating	IP20 (others on request)								
Moving the Regulator	transpallet								

LCD Front Panel; Front panel with mimic diagram in the information available about the status of the device at first glance. With LCD display accommodating the different language options, the device input and output values (voltage, current, frequency) read each and can be calibrated. Upper and lower levels of operating voltage regulator, input voltage, the lower and upper levels, the lower and upper levels of the regulated output voltage, output voltage, the lower and upper levels of protection, extreme low and extreme high-voltage cut-off time, voltage calibration setting with the preference for negative and positive polarity macros pasword protection control of work and parameters can be presented to the user.

Power Conditioning
Voltage Regulators

Datadigital-SVR33
Three-phase

Rating From 400 to 3500kVA

Work& Series

- Advanced Technology Products
- Fully digital microprocessor control
- Thyristor Tap Changer System
- Zero Transfer / No Distortion
- 20 millisecond response speed
- Overload, Over and Under Voltage, Surge, Sage, Output Short-Circuit Protection
- EMI / RFI Noise Filter
- True RMS-Real effective measurement scheme
- Alphanumeric LCD 2X16 LCD Display
- Controlled User Password Parameter Settings

Standart	Special
Voltage range from **300V to 450V**	Voltage range from **225V to 450V**
Six taps optimal regulation	Eight taps optimal regulation
Response time of 1/2 cycle	Response time of 1/2 cycle
Output correction within 1.5 cycles	Output correction within 1.5 cycles
±3% voltage output ±2% voltage output (optional)	±3% voltage output ±2% voltage output (optional)
Frequency range of 53–63 Hz	Frequency range of 53–63 Hz
No additional harmonics(THD)	No additional harmonics(THD)
Continuous voltage regulation	Continuous voltage regulation
Voltage balance correction	Voltage balance correction
Separate coupling transformer	Separate coupling transformer
Continuous sag correction	Continuous sag correction
High efficiency of approximately 97%	High efficiency of approximately 97%
Audible noise of 52–56 dB at 1 meter	Audible noise of 52–56 dB at 1 meter
Operating temperature of –20°C to +50°C	Operating temperature of –20°C to +50°C
Bypass switch	Bypass switch
Triple-shielded isolation transformer (optional	Triple-shielded isolation transformer (optional)
Overtemperature protection	Overtemperature protection
Optional surge protection unit	Optional surge protection unit
Optional metering	Optional metering
Two-year warranty	Two-year warranty

Usega areas

- Industrial facilities,
- Factories,
- Beverage factories
- Large busineses,
- Hospitals,
- Hotels and Shopping malls
- Large groups of cooling and heating,
- Quarries, constrution machineery,

MODELS	DSVR33300	DSVR33400	DSVR33500	DSVR33600	DSVR33800	DSVR331000	DSVR331250	DSVR331600	DSVR332000
POWER	**300 KVA**	**400 KVA**	**500 KVA**	**600 KVA**	**800 KVA**	**1000 KVA**	**1250 KVA**	**1600 KVA**	**2000 KVA**
INPUT									
Input voltage range	**Three-Phase + N**; 380 - 400 - 415 Vac ± 20% (selectable from - 60% to + 30%)								
Frequency	45 - 65 Hz (Automatic frequency detection)								
Power factor	> 0,99								
Harmonic current distortion	No additional distortion								
Input current	590A	785A	980A	1175A	1570A	1960A	300A	2450A	3900A
OUTPUT									
Output voltage	**Three Phase + N**; 380 - 400 - 415 Vac ± 1-3~% (selectable ± 1-2~%)								
Output current	450A	600A	750A	900A	1200A	1500A	1900A	2400A	3000A
Output frequency	50 or 60 Hz (selectable)								
Protections	Over(peak, surge) and under voltage(sag), over current, short-circuit,								
Nominal power (kVA)	300	400	500	600	800	1000	1250	1600	2000
Active power (kW)	240	320	400	480	640	800	1000	1280	200
Number of phases	3 + N								
Nominal voltage	380 - 400 - 415 Vac -Three phase + N								
Ripple current	Zero								
Voltage distortion	< 1% with linear load / < 1% with non-linear load								
Overload	110% for 60'; 125% for 10'; 150% for 1'								
Response time	20 milisecond								
Efficiency	> 97%								
Harmonic distortion	No distortion								
Ambient temparature	–20°C to +50°C								
Relavite humidity	<95% non-condensing								
Noise level	Audible noise of 52–56 dB at 1 meter								
Filter	RFI-EMI Filter								
Standards	Safety: EN 62040-1-1 (Directive 2006/95/EC); EMC: EN 62040-2 (Directive 2004/108/EC)								
BYPASS	Available								
INFO FOR INSTALLATION									
Weight (kg)	800	1145	1350	1600	1900	2150	2750	3900	4250
Dimensions (WxDxH) (mm)	1150 x 950 x 1700	1400 x 950 x 1700			1900 x 900 x 1850		3000 x 1100 x 2100		
Display	Graffic 2x16 LCD display (input- output voltage)								
Remote signals	dry contacts (configurable)								
Remote controls	Input MCCB and bypass (configurable)								
Isolation Transformers	Input and Output İsolation Transformer (configurable)								
Communications	(Optional) RS232 + Rs485 + dry contacts + 2 slots for communications interface								
Colour	Dark grey RAL 7016, RAL 7035 or RAL 9005								
IP rating	IP20 (others on request)								
Moving the Regulator	transpallet								

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Power conditioning voltage regulators



Datadigital-SVR33
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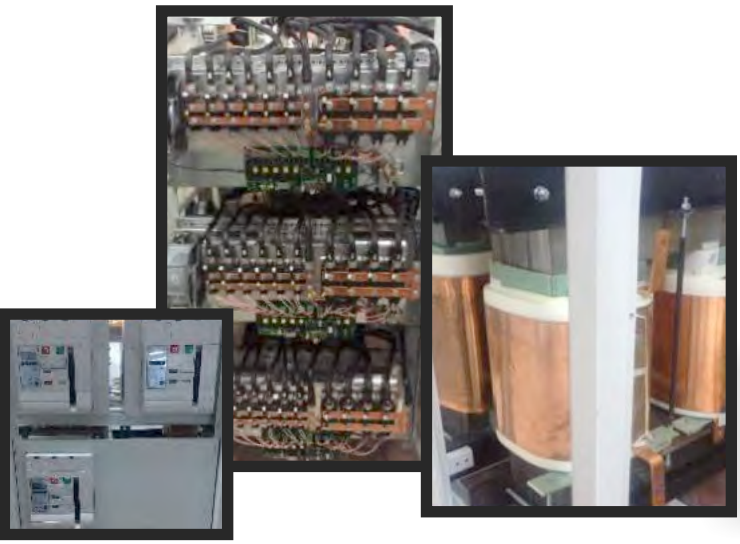
- Zero Transfer / No Distortion
- 20 millisecond response speed
- Overload, Over and Under Voltage, Surge, Sage, Output Short-Circuit Protection
- EMI / RFI Noise Filter
- True RMS-Real effective measurement scheme
- Alphanumeric LCD 2X16 LCD Display
- Controlled User Password Parameter Settings

Standart

- Voltage range from **300V to 450V**
- Six taps optimal regulation
- Response time of 1/2 cycle
- Output correction within 1.5 cycles
- ±3% voltage output ±2% voltage output (optional)
- Frequency range of 53–63 Hz
- No additional harmonics(THD)
- Continuous voltage regulation
- Voltage balance correction
- Separate coupling transformer
- Continuous sag correction
- High efficiency of approximately 97%
- Audible noise of 52–56 dB at 1 meter
- Operating temperature of –20°C to +50°C
- Bypass switch

  Triple-shielded isolation transformer (optional
- Overtemperature protection
- Optional surge protection unit
- Optional metering
- Two-year warranty



Usega areas

Industrial facilities, Beverage factories, Hospitals, Hotels and Shopping malls, Large groups of cooling and heating, Quarries, construction machineery,

Machinery in general
Tobacco industry
Electronic drives
Water cutting machines
Laser cutting machines

Food treatment industry
Packaging industry
Bottling industry







MODELS	DSVR332500	DSVR333000	DSVR333500
POWER	**2500 KVA**	**3000 KVA**	**3500 KVA**
INPUT			
Input voltage range	**Three-Phase + N**; 380 - 400 - 415 Vac - 20 + 15 %		
Frequency	45 - 65 Hz (Automatic frequency detection)		
Power factor	> 0,99		
Harmonic current distortion	No additional distortion		
Input current	4900A	5890A	6860A
OUTPUT			
Output voltage	**Three Phase + N**; 380 - 400 - 415 Vac ± 1-3~%		
Output current	3780A	4545A	5300A
Output frequency	50 or 60 Hz (selectable)		
Protections	Over(peak, surge) and under voltage(sag), over current, short-circuit,		
Nominal power (kVA)	2500	3000	3500
Active power (kW)	2000	2400	2800
Number of phases	3 + N		
Nominal voltage	380 - 400 - 415 Vac -Three phase + N		
Ripple current	Zero		
Voltage distortion	< 1% with linear load / < 1% with non-linear load		
Overload	110% for 60'; 125% for 10'; 150% for 1'		
Response time	20 milisecond		
Efficiency	> 97%		
Harmonic distortion	No distortion		
Ambient temparature	–20°C to +50°C		
Relavite humidity	<95% non-condensing		
Noise level	Audible noise of 52–56 dB at 1 meter		
Filter	RFI-EMI Filter		
Standards	Safety: EN 62040-1-1 (Directive 2006/95/EC); EMC: EN 62040-2 (Directive 2004/108/EC)		
BYPASS	Available		
INFO FOR INSTALLATION			
Weight (kg)	5750	7500	9000
Dimensions (WxDxH) (mm)	4000 x 1100 x 2100		5000 x 1200 x 2100
Display	Graffic 2x16 LCD display (input- output voltage)		
Remote signals	dry contacts (configurable)		
Remote controls	Input MCCB and bypass (configurable)		
Isolation Transformers	Input and Output İsolation Transformer (configurable)		
Communications	(Optional) RS232 + Rs485 + dry contacts + 2 slots for communications interface		
Colour	Dark grey RAL 7016, RAL 7035 or RAL 9005		
IP rating	IP20 (others on request)		
Moving the Regulator	transpallet