

AVR

VOLTAGE REGULATOR
**SERVO TYPE / RELAY TYPE/
IGBT TYPE/ OTHERS**

EleQtra Energy Brings Light to the World!



ELEQTRA ENERGY (PTY) LTD

ELEQTRA ENERGY (PTY) LTD is a comprehensive energy solutions provider. Provide comprehensive energy storage system solutions for all applications. Provide professional power energy solutions for education systems, telecommunications, power systems, transportation, government agencies, banking security, scientific research, medical institutions, military, and large industrial and mining enterprises. Eleqtra Energy originated in China and is now rooted on the African continent. We collaborate with ambitious young people in Africa to promote world leading solar energy storage technology to the continent. Green energy will illuminate Africa, create partnerships, and create value!

Numbers
Speak For
Themselves!

120+

Long-Term
Partner

100+

Countries
and regions

200+

Product
Category

15Y

Time in the
industry

Qualification Certification

ISO9001

QUALITY MANAGEMENT SYSTEM CERTIFICATE

ISO45001

Occupational Health and Management System Certificate

Certificate No.: 2022ZS20467R0S

We hereby certify that the organization:

LISHUI YIYEN TECHNOLOGY COMPANY LIMITED

Unified social credit code: 91331127MA2E079Y8T

is in conformity with Occupational Health Safety Management System

GB/T45001-2020 idt ISO45001:2018

The certificate is valid to the following products/service:

The assembly and related management activities of Voltage Inverter, Photovoltaic Equipment (MPPT Solar Charge, Uninterruptible Power Supply, Emergency Power Supply, Energy Storage System, Battery Management System)

Registration Address/Audit Address: No.77,Xiang Long Road,Lian Du City,Zhejiang Province, China.

Date of Issue: 2022-09-22
Date of Expiry: 2025-09-22
Date of Initial: 2022-09-22

Issued By: [Signature]

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C197-M

The audit of validity of the certificate, the certificate shall be at least once a year. The effectiveness of the Certificate is subject to GB Code in the lower left corner. Meanwhile, you can search the website of certification body: www.cncas.gov.cn or search the CNCA website: www.cnca.gov.cn

ZHEJIANG QUANPIN CERTIFICATION CO., LTD.
Room 603, Floor 6, Building 1, No.74, Payan Road, Payan Street, Binjiang District, Hangzhou City, Zhejiang Province, China 310053 WEB: Http://www.qpc.org.cn

ISO14001

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Environmental Management System Certificate

Certificate No.: 2022ZE20495R0S

We hereby certify that the organization:

LISHUI YIYEN TECHNOLOGY COMPANY LIMITED

Unified social credit code: 91331127MA2E079Y8T

is in conformity with Environmental Management System Standard:

GB/T24001-2016 idt ISO14001:2015

The certificate is valid to the following products/service:

The assembly and related management activities of Voltage Stabilizer, Inverter, Photovoltaic Equipment (MPPT Solar Charge, PCS), Uninterruptible Power Supply, Emergency Power Supply, Battery Pack Energy Storage System, Battery Management System (BMS)

Registration Address/Audit Address: No.77,Xiang Long Road,Lian Du City,Zhejiang Province, China.

Date of Issue: 2022-09-22
Date of Expiry: 2025-09-22
Date of Initial: 2022-09-22

Issued By: [Signature]

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C197-M

The audit of validity of the certificate, the certificate shall be at least once a year. The effectiveness of the Certificate is subject to GB Code in the lower left corner. Meanwhile, you can search the website of certification body: www.qpc.org.cn or search the CNCA website: www.cnca.gov.cn

ZHEJIANG QUANPIN CERTIFICATION CO., LTD.
Room 603, Floor 6, Building 1, No.74, Payan Road, Payan Street, Binjiang District, Hangzhou City, Zhejiang Province, China 310053 WEB: Http://www.qpc.org.cn

IEC TCEE

Ref. Certif. No. NL-108037

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product: Rechargeable Li-Ion Battery Pack

IEC TCEE

Ref. Certif. No. NL-108794

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product: Rechargeable Li-Ion Battery Cluster

IEC TCEE

Ref. Certif. No. NL-108472A1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product: Rechargeable Li-Ion Battery System

DEKRA

ATTESTATION OF CONFORMITY

Issued to: LISHUI YIYEN TECHNOLOGY CO., LTD.
(Lijiang National Industrial Park) No. 77 Xianglong Road, Nanningshan Street, Lian Du District, Lian Du City, Zhejiang Province, P.R. China

For the product: Power Conversion Module

Trade name: YTY

Type/Model: UP-M42.5KW, UP-M-100KW

Rated power: 100kW

Rated voltage: 400VAC

Rated current: 167A

Rated power factor: 0.95

Rated efficiency: 95%

Rated temperature: 20°C to +50°C

Rated protection class: IP20

Rated power factor range: (adjustable) -1lagging-10leading

Rated DC voltage range: 650-950Vdc

Rated DC current: 100A

Rated AC power: 62.5kW, rated voltage: 400VAC, Max. current: 100A, 50/60Hz, 3W/P

Rated AC power: 100kW, rated voltage: 400VAC, Max. current: 167A, 50/60Hz, 3W/P

Rated AC power: 100kW, rated voltage: 400VAC, Max. current: 167A, 50/60Hz, 3W/P

Requirements: EN IEC 61000-6-2:2019
EN IEC 61000-6-4:2019

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6174214.53

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Amst., 1 March 2024 Number: 6174214.02AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kerry Lin
Certification Manager

© Integral publication of this attestation and adjoining reports is allowed Page 1 of 2

CE

DEKRA

ATTESTATION OF CONFORMITY

Issued to: LISHUI YIYEN TECHNOLOGY CO., LTD.
(Lijiang National Industrial Park) No. 77 Xianglong Road, Nanningshan Street, Lian Du District, Lian Du City, Zhejiang Province, P.R. China

For the product: Power Conversion System

Trade name: YTY

Type/Model: UP-M42.5KW, UP-M-100KW

Rated power: 100kW

Rated voltage: 400VAC

Rated current: 167A

Rated power factor: 0.95

Rated efficiency: 95%

Rated temperature: 20°C to +50°C

Rated protection class: IP20

Rated power factor range: (adjustable) -1lagging-10leading

Rated DC voltage range: 650-950Vdc

Rated DC current: 100A

Rated AC power: 62.5kW, rated voltage: 400VAC, Max. current: 100A, 50/60Hz, 3W/P

Rated AC power: 100kW, rated voltage: 400VAC, Max. current: 167A, 50/60Hz, 3W/P

Rated AC power: 100kW, rated voltage: 400VAC, Max. current: 167A, 50/60Hz, 3W/P

Requirements: EN IEC 61000-6-2:2019
EN IEC 61000-6-4:2019

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6174215.50

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Amst., 28 May 2024 Number: 6174215.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kerry Lin
Certification Manager

© Integral publication of this attestation and adjoining reports is allowed Page 1 of 2

CE

DEKRA

CERTIFICATE OF CONFORMITY

Issued to: LISHUI YIYEN TECHNOLOGY CO., LTD.
(Lijiang National Industrial Park) No. 77 Xianglong Road, Nanningshan Street, Lian Du District, Lian Du City, Zhejiang Province, P.R. China

For the product: Power Conversion System

Trade name: YTY

Type/Model: UP-M42.5KW, UP-M-100KW

Rated power: 100kW

Rated voltage: 400VAC

Rated current: 167A

Rated power factor: 0.95

Rated efficiency: 95%

Rated temperature: 20°C to +50°C

Rated protection class: IP20

Rated power factor range: (adjustable) -1lagging-10leading

Rated DC voltage range: 650-950Vdc

Rated DC current: 100A

Rated AC power: 62.5kW, rated voltage: 400VAC, Max. current: 100A, 50/60Hz, 3W/P

Rated AC power: 100kW, rated voltage: 400VAC, Max. current: 167A, 50/60Hz, 3W/P

Rated AC power: 100kW, rated voltage: 400VAC, Max. current: 167A, 50/60Hz, 3W/P

Requirements: EN IEC 61000-6-2:2019
EN IEC 61000-6-4:2019

This Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6174227.50

The examination has been carried out on one single specimen of the product. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Certificate expires at the latest on 31 May 2025 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 31 May 2024 Number: 6174227.51AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kerry Lin
Certification Manager

© Integral publication of this certificate and adjoining reports is allowed Page 1 of 1

CE

PRODUCT CATALOGUE

Servo Motor Type (220V/380V)

PRO Single Phase	01
PWR Single Phase	05
TSS Wall-mounted Single Phase	07
TWS Wall-mounted Single Phase	10
PRO-3 Three Phase	13
PWR-3 Three Phase	16
SBW/SBW-F Three Phase (Industrial)	19
SBW-F IP54 Independent Phase Control	23

Relay Type

AVR Single Phase	26
TRS Wall-Mounted Single Phase	30
SWR Wall-Mounted Single Phase	33
PR Portable Single Phase	36

IGBT Type

<i>CVCF</i> Voltage and Frequency Stabilisers	38
<i>AVC</i> Active Voltage Conditioner	40

Servo Motor Type (120V/208V)

<i>PWR-LV</i> Single Phase	44
<i>TWS-LV</i> Wall-mounted Single Phase	46
<i>PWR-2</i> Dual Phase	49
<i>PWR-3-LV</i> Three Phase	51
<i>SBW-F IP54</i> Independent Phase Control	54

Other Types

<i>ST</i> Step Up & Down Transformer	56
<i>TDGC2/TSGC2</i> Manual Voltage Regulator	58

PRO

Single Phase Servo Motor Type

500VA-30000VA



Features:

- ◆ MCU control
- ◆ Overload protection(on PCB)≥120%
- ◆ Over voltage & Under voltage protection
- ◆ Dual LED display/ Multi display
- ◆ More accurate output precision≤2%
- ◆ Themistor,upgraded function to offer more accurate over-heat protection to the device.
- ◆ If fan is not working, the device will cut off the output to avoid over-heat.

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA	3000VA	5000VA
Input	Phase	Single phase					
	Voltage	AC 150V-250V / 100V-250V					
	Frequency	50Hz/60HzV					
Output	Voltage	AC 220V ±3% / customized					
	Capacity	400W	800W	1200W	1600W	2400W	4000W
	Frequency	50Hz/60Hz					
Protection	Low voltage	184V±4V					
	Over voltage	246V±4V					
	Time Delay	5s / 255s optional					
	Overload/ short circuit	Fuse/MCB					
Packaging	Pcs per Carton	4			2		
	Shipping Wt.(kg)	14.6	18.2	22.8	18.9	23.4	28
	Package dimensions (mm)	430*250*330	500*240*380		610*257*280	610*365*275	610*425*275
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

Specification		8000VA	10KVA	12KVA	10KVA (Tower)	15KVA (Tower)	20KVA (Tower)	30KVA (Tower)
Input	Phase	Single phase						
	Voltage	AC 150V-250V / 100V-250V				AC 176V-250V / 100V-250V		
	Frequency	50Hz/60Hz						
Output	Voltage	AC 220V ±3% / customized						
	Capacity	6400W	8KW	9.6KW	8KW	12KW	16KW	24KW
	Frequency	50Hz/60Hz						
Protection	Low voltage	184V±4V						
	Over voltage	246V±4V						
	Time Delay	5s / 255s optional						
	Overload/ short circuit	Fuse/MCB						
Packaging	Pcs per Carton	1						
	Shipping Wt.(kg)	23.7	25	27	34.5	54.5	79.2	100
	Package dimensions (mm)	430*250*330			460*360*290	446*345*630	560*380*775	660*380*775
Efficiency	AC-AC	98%						
Acoustic	Noise level	≤50dB						
Environment	Temperature	-5℃ to 40℃						
	Humidity	20% to 90%						

• Product Appearance

PRO C



500VA



1000VA/1500VA



2000VA



3000VA



5000VA



8000VA/10000VA/12000VA

PRO-E



500VA



1000VA/1500VA



2000VA



3000VA



5000VA



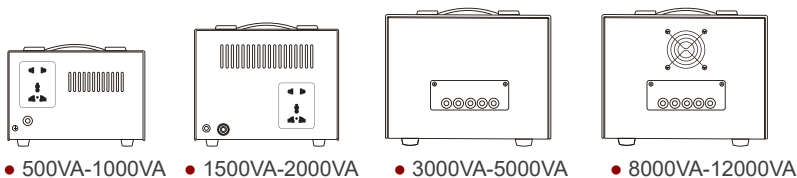
8000VA/10000VA/12000VA

• Product Appearance

PRO-E



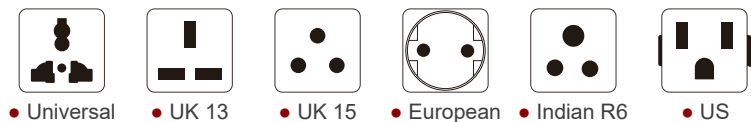
◆ Rear Panel



◆ Display Options



◆ Socket Options



* More options, please turn to page 42

PWR

Single Phase Servo Motor Type

5KVA-100KVA



Features:

- ◆ Low input voltage
- ◆ More accurate output precision $\leq 2\%$
- ◆ Over voltage & Under voltage protection
- ◆ Themistor, upgraded function to offer more accurate over-heat protection to the device.
- ◆ If fan is not working, the device will cut off the output to avoid over-heat.
- ◆ Overload protection (on PCB) $\geq 120\%$
- ◆ MCU control
- ◆ Multi display
- ◆ Surge protection

• Technical Parameter

Specification		5KVA	10KVA	15KVA	20KVA	30KVA	40KVA	50KVA	75KVA	100KVA
Input	Phase	Single Phase								
	Voltage	AC 160V-280V	AC 165V-275V(±25%)/154V-286V(±30%)							
	Frequency	50Hz/60Hz								
Output	Voltage	AC 220V±3%/230V±3%								
	Capacity	4KW	8KW	12KW	16KW	24KW	32KW	40KW	60KW	80KW
	Frequency	50Hz/60Hz								
Protection	Low Voltage	184±4V/194±4V								
	Over Voltage	246V±4V/256V±4V								
	Time Delay	5s / 255s optional								
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)								
	Short Circuit	Circuit Breaker								
	Other	Surge protection								
Efficiency	AC-AC	98%								
Acoustic	Noise level	≤50dB								
Environment	Temperature	-5℃ to 40℃								
	Humidity	20% to 90%								

• Product Appearance

PWR



PWR-15K



PWR-20K



PWR-30K

◆ Display Options



TSS

Wall-mounted Single Phase Servo Motor Type

500VA-12000VA



Features:

- ◆ Over voltage & Under voltage protection
- ◆ Reaction time(voltage stabilization time) ≤60ms
- ◆ High precision: 220VAC±2%
- ◆ Over temperature protection
- ◆ Short delay (5s) & Long delay (255s)

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA	3000VA
Input	Phase	Single phase				
	Voltage	AC 100V-260V				
	Frequency	50Hz / 60Hz				
Output	Voltage	AC 220V ±3%				
	Capacity	400W	800W	1200W	1600W	2400W
	Frequency	50Hz / 60Hz				
Protection	Low voltage	184V±4V				
	Over voltage	246V±4V				
	Time Delay	5s / 255s Selectable				
	Overload/ short circuit	Fuse / MCB				
Packaging	Pcs per Carton	4			2	
	Shipping Wt.(kg)	14	18	21.5	17	21
	Package dimensions (mm)	505*415*300			430*320*270	
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5℃ to 40℃				
	Humidity	20% to 90%				

Specification		5000VA	8000VA	10KVA	12KVA
Input	Phase	Single phase			
	Voltage	AC 100V-260V			
	Frequency	50Hz / 60Hz			
Output	Voltage	AC 220V ±3%			
	Capacity	4000W	6400W	8KW	9.6KW
	Frequency	50Hz / 60Hz			
Protection	Low voltage	184V±4V			
	Over voltage	246V±4V			
	Time Delay	5s / 255s Selectable			
	Overload/ short circuit	Fuse / MCB			
Packaging	Pcs per Carton	2		1	
	Shipping Wt.(kg)	24	19	22.1	25.1
	Package dimensions (mm)	398*315*364	460*358*225		
Efficiency	AC-AC	98%			
Acoustic	Noise level	≤50dB			
Environment	Temperature	-5°C to 40°C			
	Humidity	20% to 90%			



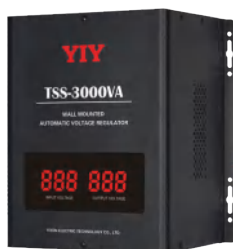
• **Product Appearance**



500VA/1000VA



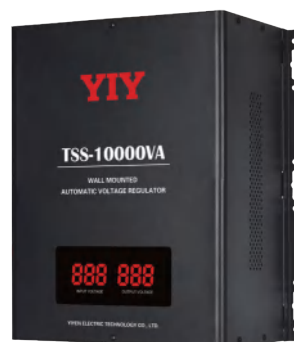
1500VA/1000VA



3000VA

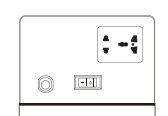


5000VA

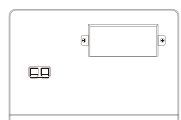


8000VA/10000VA/12000VA

◆ **Bottom Panel**



• 500VA-2000VA



• 3000VA-12000VA

◆ **Display Options**



• A



• B



• C



• D



• Dual LED display



• LED display

◆ **Socket Options**



• Universal



• UK 13



• UK 15



• European



• Indian R6



• US

* More options, please turn to page 38

TWS

Wall-mounted Single Phase Servo Motor Type

3KVA-30KVA



Features:

- ♦ Ultra-low input voltage
- ♦ Over voltage & Under voltage protection
- ♦ Reaction time(voltage stabilization time) $\leq 2s$
- ♦ High precision: $220VAC \pm 3\%$
- ♦ Over temperature protection
- ♦ Short delay (5s) & Long delay (255s)

• Technical Parameter

Specification		3000VA	5000VA	10KVA	15KVA	20KVA	30KVA
Input	Phase	Single phase					
	Voltage	AC 80V-260V					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 220V $\pm$ 3%/230V $\pm$ 3%					
	Capacity	2400W	4000W	8KW	12KW	16KW	24KW
	Frequency	50Hz/60Hz					
Protection	Low voltage	184 $\pm$ 4V/194 $\pm$ 4V					
	Over voltage	246V $\pm$ 4V/256V $\pm$ 4V					
	Time delay	5s (255s optional)					
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)					
	Short circuit	Circuit Breaker					
	Other	Surgee protection(optional)					
Product	Dimension	/	340*460*160	340*510*160	540*725*240	540*725*240	540*725*240
Efficiency	AC-AC	98%					
Acoustic	Noise level	$\leq$ 50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

• Product Appearance

TWS



TWS-5K



TWS-10K



TWS-15K



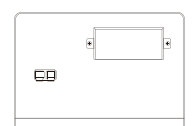
TWS-20K



TWS-30K

◆ **Bottom Panel**

- 5000VA-30000VA



◆ **Display Options**



• A

• B

• C

• D

PRO-3

Three Phase Servo Motor Type

1.5KVA-100KVA



Features:

- ◆ MCU Control
- ◆ Motor protection (Unique function)
- ◆ More accurate output precision $\leq 2\%$
- ◆ Industrial strength components
- ◆ If fan fails, the device will cut off the output to avoid over-heat
- ◆ Three phase compensation servo motor technology
- ◆ 100% unbalanced loading capability
- ◆ Overload protection (on PCB) $\geq 120\%$
- ◆ Colorful LED display

• Technical Parameter

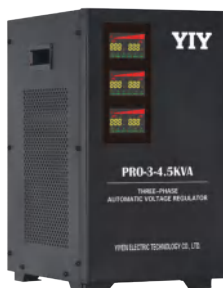
Specification		1500VA	3000VA	4500VA	6000VA	9000VA	15KVA
Input	Phase	3-phase 4-wire(Can be customized 3-phase 3-wire)					
	Voltage	278V-433V					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 380V ±3%					
	Capacity	1200W	2400W	3600W	4800W	7200W	12KW
	Frequency	50Hz/60Hz					
Protection	Low voltage	318V±7V					
	Over voltage	426V±7V					
	Time Delay	Default 5s					
	Overload/ short circuit	MCB/MCCB/MCU					
Packaging	Pcs per Carton	1					
	Shipping Wt.(kg)	/	/	/	/	/	/
	Package dimensions (mm)	230*330*418			280*380*645		280*380*690
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

Specification		20KVA	30KVA	45KVA	50KVA	60KVA	75KVA	100KVA
Input	Phase	3-phase 4-wire(Can be customized 3-phase 3-wire)						
	Voltage	278V-433V		304V-456V				
	Frequency	50Hz/60Hz						
Output	Voltage	AC 380V ±3%						
	Capacity	16KW	24KW	36KW	40KW	48KW	60KW	80KW
	Frequency	50Hz/60Hz						
Protection	Low voltage	318V±7V						
	Over voltage	426V±7V						
	Time Delay	Default 5s						
	Overload/ short circuit	MCB/MCCB/MCU						
Packaging	Pcs per Carton	1						
	Shipping Wt.(kg)	/	/	/	/	/	/	/
	Package dimensions (mm)	325*420*667		430*755*1020				800*740*1030
Efficiency	AC-AC	98%						
Acoustic	Noise level	≤50dB						
Environment	Temperature	-5℃ to 40℃						
	Humidity	20% to 90%						



• Product Appearance

PRO-3



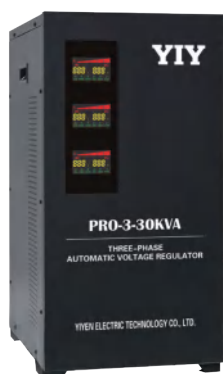
1.5KVA/3KVA/4KVA



6KVA/9KVA



15KVA



20KVA/30KVA



45KVA/50KVA/60KVA/75KVA



100KVA

◆ Display Options



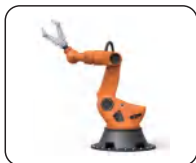
• LED display

• D

PWR-3

Three Phase Servo Motor Type

15KVA-300KVA



Features:

- ◆ More accurate output precision $\leq 2\%$
- ◆ MCU Control
- ◆ Surge protection
- ◆ Industrial strength components
- ◆ If fan fails, the device will cut off the output to avoid over-heat
- ◆ 100% unbalanced loading capability
- ◆ Ultra-low input voltage
- ◆ Overload protection (on PCB) $\geq 120\%$
- ◆ Multi display

• Technical Parameter

Specification		15KVA	30KVA	45KVA	60KVA	75KVA	100KVA
Input	Phase	3-phase 4-wire					
	Voltage	AC 278V-485V		AC 285V-475V(±25%)/266V-494V(±30%)			
	Frequency	50Hz/60Hz					
Output	Voltage	AC 380V±3%/400V±3%					
	Capacity	12KW	24KW	36KW	48KW	60KW	80KW
	Frequency	50Hz/60Hz					
Protection	Low voltage	318±7V/335±7V					
	Over voltage	425V±7V/442V±7V					
	Time delay	5s					
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)					
	Short circuit	Circuit Breaker					
	Other	surge, phase-sequence, phase loss					
	Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

Specification		120KVA	150KVA	200KVA	250KVA	300KVA
Input	Phase	3-phase 4-wire				
	Voltage	AC 285V-475V(±25%)/266V-494V(±30%)				
	Frequency	50Hz/60Hz				
Output	Voltage	AC 380V±3%/400V±3%				
	Capacity	96KW	120KW	160KW	200KW	240KW
	Frequency	50Hz/60Hz				
Protection	Low voltage	318±7V/335±7V				
	Over voltage	425V±7V/442V±7V				
	Time delay	5s				
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)				
	Short circuit	Circuit Breaker				
	Other	surge, phase-sequence, phase loss				
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5°C to 40°C				
	Humidity	20% to 90%				

• Product Appearance

PWR-3



PWR-3-30KVA



PWR-3-45KVA



PWR-3-60KVA

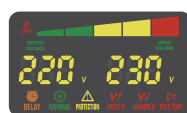


PWR-3-100KVA



PWR-3-150KVA

◆ Display



• D

SBW/SBW-F

Three Phase Servo Motor Automatic Voltage Regulator

50KVA-3000KVA



SBW/SBW-F Series full automatic three-phase electric voltage regulators with compensator (hereinafter referred to as the voltage regulator) are designed with the advanced European technology and can be customized on various situations of different countries and areas. When the voltage fluctuation happens with the fluctuation of external power grid voltage or load variation, they can keep the stable output voltage automatically. Compared with other types of voltage regulators, SBW series has the advantages, such as the large capacity, high efficiency, no waveform distortion, voltage adjustment stability.

It is applicable for large-sized electromechanical equipment, metal processing equipment, production lines, construction engineering equipment, elevators, medical equipment, light-textile equipment, air conditioners, broadcasting TV, household appliances and lighting in various fields like industry, agriculture, traffic, post & telecommunication, military, railway, scientific research culture, etc.

• Technical Parameter

Specification		50KVA	60KVA	80KVA	100KVA	150KVA	200KVA	250KVA	300KVA	350KVA
Input	Phase	3-phase 4-wire								
	Voltage	AC 304V-456V								
	Frequency	50Hz/60Hz								
Output	Voltage	AC 380V ±3%								
	Capacity	40KW	48KW	64KW	80KW	120KW	160KW	200KW	240KW	280KW
	Frequency	50Hz/60Hz								
Protection	Low voltage	318V ±7V								
	Over voltage	426V±7V								
	Time Delay	3-6s/3-6min optional								
	Overload / short circuit	MCB/MCCB								
Packaging	Pcs per Carton	1								
	Net Wt.(kg)	/	210	/	260	/	430	/	/	/
	Shipping Wt.(kg)	/	220	/	280	/	450	/	/	/
	Package dimensions (mm)	600*750*1330		620*850*1440		750*1000*1750		900*1100*1790		1100*1000*1790
Efficiency	AC-AC	98%								
Acoustic	Noise level	≤50dB								
Environment	Temperature	-15℃ to +45℃								
	Humidity	20% to 90%								

Specification		400KVA	500KVA	600KVA	800KVA	1000KVA	1200KVA	1500KVA	3000KVA
Input	Phase	3-phase 4-wire							
	Voltage	AC 304V-456V							
	Frequency	50Hz/60Hz							
Output	Voltage	AC 380V ±3%							
	Capacity	320KW	400KW	480KW	640KW	800KW	960KW	1200KW	2400KW
	Frequency	50Hz/60Hz							
Protection	Low voltage	318V ±7V							
	Over voltage	426V±7V							
	Time delay	3-6s/3-6min optional							
	Overload/ short circuit	MCB/MCCB							
Packaging	Pcs per Carton	1							
	Net Wt.(kg)	740	1050	1090	1835	2335	/	/	/
	Shipping Wt.(kg)	765	1075	1115	1860	2360	/	/	/
	Package dimensions (mm)	1100*1000*1790	1400*1100*2060		(1680*1300*1800)*2			(1680*1300*1800)*3	(1680*1300*1800)*6
Efficiency	AC-AC	98%							
Acoustic	Noise level	≤50dB							
Environment	Temperature	-15℃ to +45℃							
	Humidity	20% to 90%							

• Product Appearance

SBW/SBW-F



50KVA~300KVA



350KVA~600KVA



800KVA~3000VA

*800KVA/1000KVA/1200KVA:Cabinet*2. 1500KVA:Cabinet*3 3000KVA:Cabinet*6

• Internal Structure



*Different specifications have different layouts

SBW-F IP54

Three Phase Servo Motor Automatic Voltage Regulator

150KVA-3000KVA



The SBW-F Series Three-Phase Automatic Compensation Voltage Stabilizer, designed with advanced European technology, is customizable for different regional needs. It ensures stable output voltage during external grid fluctuations or load changes.

Main advantages include high capacity, efficiency, no waveform distortion, and stable voltage regulation.

SBW-F series with Independent Phase Control: best for unbalanced loads, this model independently regulates each phase, providing precise voltage stability in complex power grid environments.

The SBW-F series stabilizer is widely applied in the field of industry, agriculture, transportation, telecommunications etc, ensuring efficient equipment operation in various scenarios.

• Technical Parameter

Specification		150KVA	200KVA	250KVA	300KVA	400KVA
Input	Phase	3-phase 4-wire				
	Voltage	AC 304V-456V(±20%)/285V-475V(±25%)/266V-494V(±30%)				
	Frequency	50Hz/60Hz				
Output	Voltage	AC 380V±3%/400V±3%				
	Capacity	120KW	160KW	200KW	240KW	320KW
	Frequency	50Hz/60Hz				
Bypass	Current	400A	400A	630A	630A	800A
Protection	Low voltage	318±7V/335±7V				
	Over voltage	425V±7V/442V±7V				
	Time delay	10 seconds				
	Overload	MCU(cutting off output for 60 seconds when exceeding rated power by 120%)				
	Short circuit	Circuit Breaker				
	Other	Surge, phase-sequence, phase loss				

Specification		500KVA	600KVA	1000KVA	1500KVA	2000KVA	3000KVA
Input	Phase	3-phase 4-wire					
	Voltage	AC 304V-456V(±20%)/285V-475V(±25%)/266V-494V(±30%)					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 380V±3%/400V±3%					
	Capacity	400KW	480KW	800KW	1200KW	1600KW	2400KW
	Frequency	50Hz/60Hz					
Bypass	Current	1000A	1250A	2250A	3200A	4000A	6300A
Protection	Low voltage	318±7V/335±7V					
	Over voltage	425V±7V/442V±7V					
	Time delay	10 seconds					
	Overload	MCU (cutting off output for 60 seconds when exceeding rated power by 120%)					
	Short circuit	Circuit Breaker					
	Other	Surge, phase-sequence, phase loss					

• Product Appearance

SBW-F IP54



150-300KVA



400KVA



1000KVA

AVR

Single Phase Relay Type

500VA-20000VA



Features:

- ◆ MCU controlled PCB
- ◆ Short delay (5s) & Long delay (255s)
- ◆ Wide input voltage range
- ◆ Short circuit & Overload protection
- ◆ Over temperature protection
- ◆ High output precision up to $\pm 8\%$

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA	3000VA
Input	Phase	Single phase				
	Voltage	70V-270V/ 90V-270V/125V-270V/140V-260V				
	Frequency	50Hz/60Hz				
Output	Response time	60ms				
	Voltage	AC 220V ±8%~10%				
	Capacity	400W	800W	1200W	1600W	2400W
	Frequency	50Hz/60Hz				
Protection	Low voltage	184V±4V				
	Over voltage	246V±4V				
	Time Delay	5s / 255s optional				
	Overload/ short circuit	Fuse/MCB+MCU				
	Pcs per Carton	8		4		2
Packaging	Shipping Wt.(kg)	19.5	25.8	14.6	16.6	17.6
	Package dimensions (mm)	550*285*350		370*330*403		565*390*305
Efficiency	AC-AC	95%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5℃ to 40℃				
	Humidity	20% to 90%				

Specification		5000VA	8000VA	10KVA	12KVA	15KVA (Tower)	20KVA (Tower)
Input	Phase	Single phase					
	Voltage	70V-270V/ 90V-270V / 125V-270V/ 140V-260V			90V~270V/125V~270V/ 140V~260V		
	Frequency	50Hz/60Hz					
Output	Response time	60ms					
	Voltage	AC 220V ±8%~10%					
	Capacity	4000W	6400W	8KW	9.6KW	12KW	16KW
	Frequency	50Hz/60Hz					
Protection	Low voltage	184V±4V					
	Over voltage	246V±4V					
	Time Delay	5s / 255s optional					
	Overload/ short circuit	Fuse/MCB+MCU					
Packaging	Pcs per Carton	2	1				
	Shipping Wt.(kg)	23.7	15.3	18.4	18.6	19.4	27.1
	Package dimensions (mm)	565*390*305	455*390*305			390*390*495	390*330*605
Efficiency	AC-AC	95%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

AVR B

*Case color can be customized



500VA/1000VA



1500VA/2000VA



3000VA/5000VA



8000VA/10000VA/
12000VA

AVR D

*Case color can be customized



500VA/1000VA



1500VA/2000VA



3000VA/5000VA



8000VA/10000VA/
12000VA

AVR E

*Case color can be customized



500VA/1000VA



1500VA/2000VA



3000VA/5000VA



8000VA/10000VA/
12000VA

AVR F

*Case color can be customized



500VA



1000VA/1500VA



3000VA/5000VA



8000VA/10000VA/
12000VA

• Product Appearance

AVR-Cabinet



15000VA



20000VA

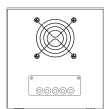
◆ **Rear Panel**



• 500VA-2000VA



• 3000VA



• 5000VA-12000VA



• 5000VA-12000VA

◆ **Display Options**



• A



• B



• C



• D



• Dual LED display 1



• Dual LED display 2



• LED display



• Analog display

◆ **Socket Options**



• Universal



• UK 13



• UK 15



• European



• Indian R6



• US

* More options, please turn to page 42

TRS

Wall Mounted Single Phase Relay Type

500VA-20000VA



Features:

- ◆ MCU controlled circuit offering precision output
- ◆ High efficiency toroidal transformer
- ◆ Relay failure detection
- ◆ Individual switching power supply for 12Vdc
- ◆ Zero cross transfer technology integrated protection
- ◆ Ultra-low input voltage
- ◆ Over load Protection (MCU)
- ◆ Super fast response times $\leq 60\text{ms}$

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA	3000VA
Input	Phase	Single phase				
	Voltage	AC 70V-270V / 90V-270V / 125V-270V / 140V-260V				
	Frequency	50Hz / 60Hz				
Output	Response	60ms				
	Voltage time	AC 220V ±8%~10%				
	Capacity	400W	800W	1200W	1600W	2400W
	Frequency	50Hz / 60Hz				
Protection	Low voltage	184V±4V				
	Over voltage	246V±4V				
	Time Delay	5s / 255s Selectable				
	Overload/ short circuit	Fuse / MCB+MCU				
Packaging	Pcs per Carton	10		4		2
	Shipping Wt.(kg)	19.5	25.8	14.6	16.6	17.6
	Package dimensions (mm)	440*335*275		415*310*270		425*315*365
Efficiency	AC-AC	95%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5℃ to 40℃				
	Humidity	20% to 90%				

Specification		5000VA	8000VA	10KVA	12KVA	15KVA (cabinet)	20KVA (cabinet)
Input	Phase	Single phase					
	Voltage	AC 70V-270V / 90V-270V / 125V-270V / 140V-260V			AC 90V~270V / 125V~270V / 140V~260V		
	Frequency	50Hz / 60Hz					
Output	Response	60ms					
	Voltage time	AC 220V ±8%~10%(230V / 240V Optional)			AC 220V ±8%~10%(230V / 240V Optional)		
	Capacity	4000W	6400W	8KW	9.6KW	12KW	16KW
	Frequency	50Hz / 60Hz					
Protection	Low voltage	184V±4V					
	Over voltage	246V±4V					
	Time Delay	5s / 255s Selectable					
	Overload/ short circuit	Fuse / MCB+MCU					
Packaging	Pcs per Carton	2	1				
	Shipping Wt.(kg)	23.7	15.3	18.4	18.6	19.4	27.1
	Package dimensions (mm)	425*315*365			482*358*225		
Efficiency	AC-AC	95%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

• Product Appearance

TRS



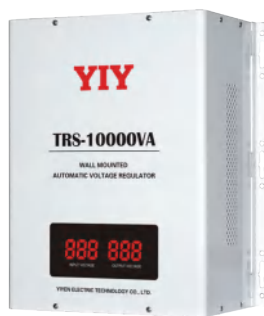
500VA/1000VA



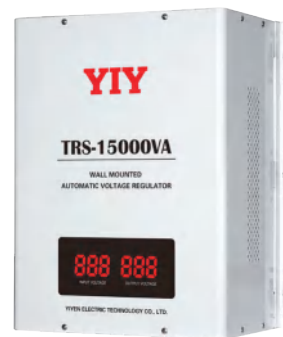
1500VA/2000VA



3000VA/5000VA

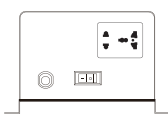


8000VA/10000VA/12000VA

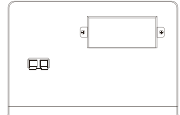


15000VA/20000VA

◆ **Bottom Panel**



• 500VA-2000VA



• 3000VA-12000VA

◆ **Display Options**



• A



• B



• C



• D



• Dual LED display



• LED display

◆ **Socket Options**



• Universal



• UK 13



• UK 15



• European



• Indian R6



• US

* More options, please turn to page 38

SWR

Wall Mounted Single Phase Relay Type

500VA-20000VA



Features:

- ◆ MCU controlled circuit offering precision output
- ◆ High efficiency toroidal transformer
- ◆ Relay failure detection
- ◆ Individual switching power supply for 12Vdc
- ◆ Zero cross transfer technology integrated protection
- ◆ Ultra-low input voltage
- ◆ Over load Protection (MCU)
- ◆ Super fast response time $\leq 60\text{ms}$

• Technical Parameter

Specification		0.5KVA	1KVA	1.5KVA	2KVA	3KVA
Input	Phase	Single phase				
	Voltage	AC 90V-270V				
	Frequency	50Hz/60Hz				
Output	Voltage	AC 220V±10%/230V±10%				
	Capacity	400W	800W	1200W	1600W	2400W
	Frequency	50Hz/60Hz				
Protection	Low voltage	184±4V/194±4V				
	Over voltage	246V±4V/256V±4V				
	Time delay	5s (255s optional)				
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)				
	Short circuit	Circuit Breaker				
	Other	Surgee protection (optional)				
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5℃ to 40℃				
	Humidity	20% to 90%				

Specification		5KVA	8KVA	10KVA	12KVA	15KVA	20KVA
Input	Phase	Single phase					
	Voltage	AC 45V-270V / 90V-270V					
	Frequency	50Hz/60Hz					
Output	Voltage	VAC 220V±10%/230V±10%					
	Capacity	4000W	6400W	8KW	9.6KW	12KW	16KW
	Frequency	50Hz/60Hz					
Protection	Low voltage	184±4V/194±4V					
	Over voltage	246V±4V/256V±4V					
	Time delay	5s (255s optional)					
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)					
	Short circuit	Circuit Breaker					
	Other	Surgee protection (optional)					
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

• **Product Appearance**

SWR

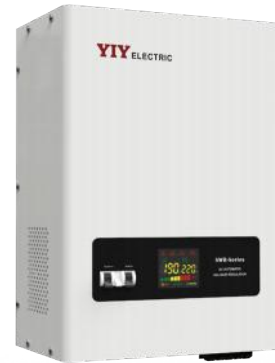
*Case color can be customized



1500VA

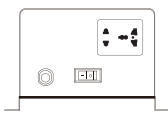


50000VA

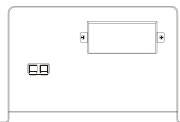


15000VA/20000VA

◆ **Bottom Panel**



• 500VA-2000VA



• 3000VA-20000VA

◆ **Display Options**



• A



• B



• C



• D

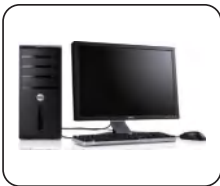


• Dual LED display

PR

Portable Single Phase Relay Type

500VA-2000VA



Features:

- ◆ CPU control
- ◆ Component damage protection
- ◆ Short circuit and overload protection
- ◆ Selectable delay time
- ◆ Over temperature protection
- ◆ LED indicators to show status of working, over voltage, and low voltage
- ◆ Automatic voltage regulation/Extension socket
- ◆ Protection against brownouts and over voltages
- ◆ Digital meter indicates line voltage and output voltage
- ◆ Surge, spike, and lightning protection (optional)

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA
Input	Phase	Single phase			
	Voltage	AC 125V-270V / 140V-260V			
	Frequency	50Hz/60Hz			
Output	Voltage	AC 220V ±10%			
	Capacity	250W	500W	750W	1000W
	Frequency	50Hz/60Hz			
Protection	Low voltage	184V±5V			
	Over voltage	246V±5V			
	Time Delay	5s / 255s			
	Overload/ short circuit	Fuse/MCB			
Packaging	Pcs per Carton	9			
	Net Wt.(kg)	1.3	1.6	1.75	1.8
	Shipping Wt.(kg)	11.9	14.3	15.5	16.8
	Package dimensions (mm)	528*320*360			
Efficiency	AC-AC	95%			
Acoustic	Noise level	≤50dB			
Environment	Temperature	-5°C to 40°C			
	Humidity	20% to 90%			

• Product Appearance



Euro Standard



Multifunctional Socket



CVCF

IGBT Type Single Phase AVR

Voltage and Frequency Stabilisers



Input voltage range:

- ◆ 85-270VAC, 1Phase, 2Wire, +Earth

Input frequency range:

- ◆ 35-70Hz

Features:

- ◆ Correction time 10ms
- ◆ Output accuracy +/-0.5%
- ◆ Output wave form distortion THD<3%
- ◆ Effect of Power factor PF>0.99
- ◆ Frequency protection
- ◆ Compatible with generator

• Technical Parameter

Parameters	Power Rating	5KVA	10KVA
Input Voltage	Nominal voltage Rating	230VAC 1Phase, 2Wire,+Earth	
	Voltage Range	85-270VAC	
	Frequency	35-70Hz	
Output Voltage	Voltage	220V/230V/240V $\pm 0.5\%$	
	Correction time	10ms	
	Voltage Regulation	$\pm 0.5\%$	
	Output wave form distortion	THD<3%	
	Output frequency	50/60Hz	
	Power factor	PF>0.99	
Protection	Automatic bypass	Yes	
	Manual bypass	Yes	
	Input Under Voltage	80 $\pm$ 1V	
	Input Over Voltage	280 $\pm$ 3V	
	Output Under Voltage	184V/@220V 192V/@230,201V/@240V	
	Output Over Voltage	246V/@220V,250V/@230V,260V/@240V	
	Over-temperature	Module: 80°C Protection/Recovery at 65°C	
	Output Overload	110%>&<120%-5S,(3 times) 120%>&<150%-2S (3 times)	
		>150% cut off immediately	
Display/Indication	Display mode	LCD/LED	
	Communication	RS485	
Physical parameter	Efficiency	Better Than 95%	
	Cooling method	Forced cooling	
	IP	IP20	
	Temperature	0-45°C	
	Humidity	0-95%(RH-Non Condensing)	
	Noise	<60dB	
	Product Size	501*328*128.5 mm	580*358*128.5 mm
	Shipping Size	590*440*240 mm	670*470*240 mm
	Product Weight	10KG	12KG
	Shipping Weight	12KG	14KG

AVC

Active Voltage Conditioner

IGBT Type Automatic Voltage Regulator



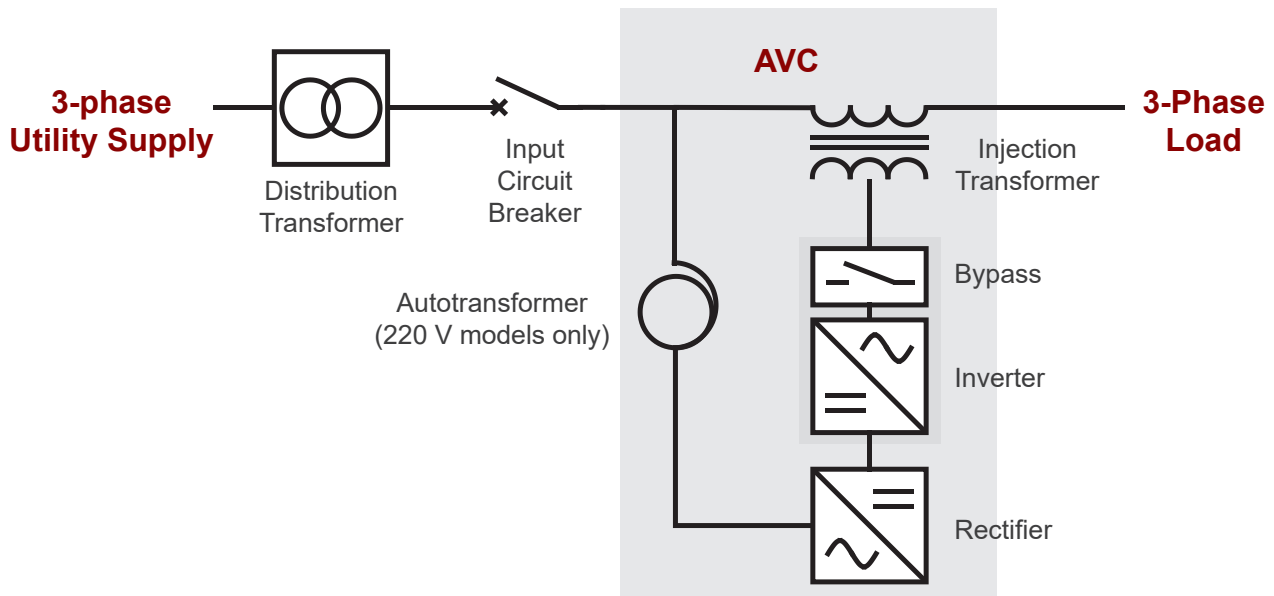
AVC is an inverter based system that protects sensitive industrial and commercial loads from voltage disturbances. Providing fast, accurate voltage sag and surge correction as well as continuous voltage regulation and load voltage compensation. AVC has been optimally designed to provide equipment immunity from power quality events on the supply network.

• Working Principle

AVC Consists of two converters that are not on the current path between the load and the utility. Instead, the corrective voltage injection is achieved by means of a transformer winding between the utility and the sensitive load. This configuration results in a very efficient and effective method to provide voltage correction with reduced risk of negative impacts on the load.

AVC Requires no batteries as it draws the additional energy required during sag to make up the correction voltage from the utility supply. With no ongoing maintenance costs typically associated with batteries the cost of ownership for AVC systems is very small.

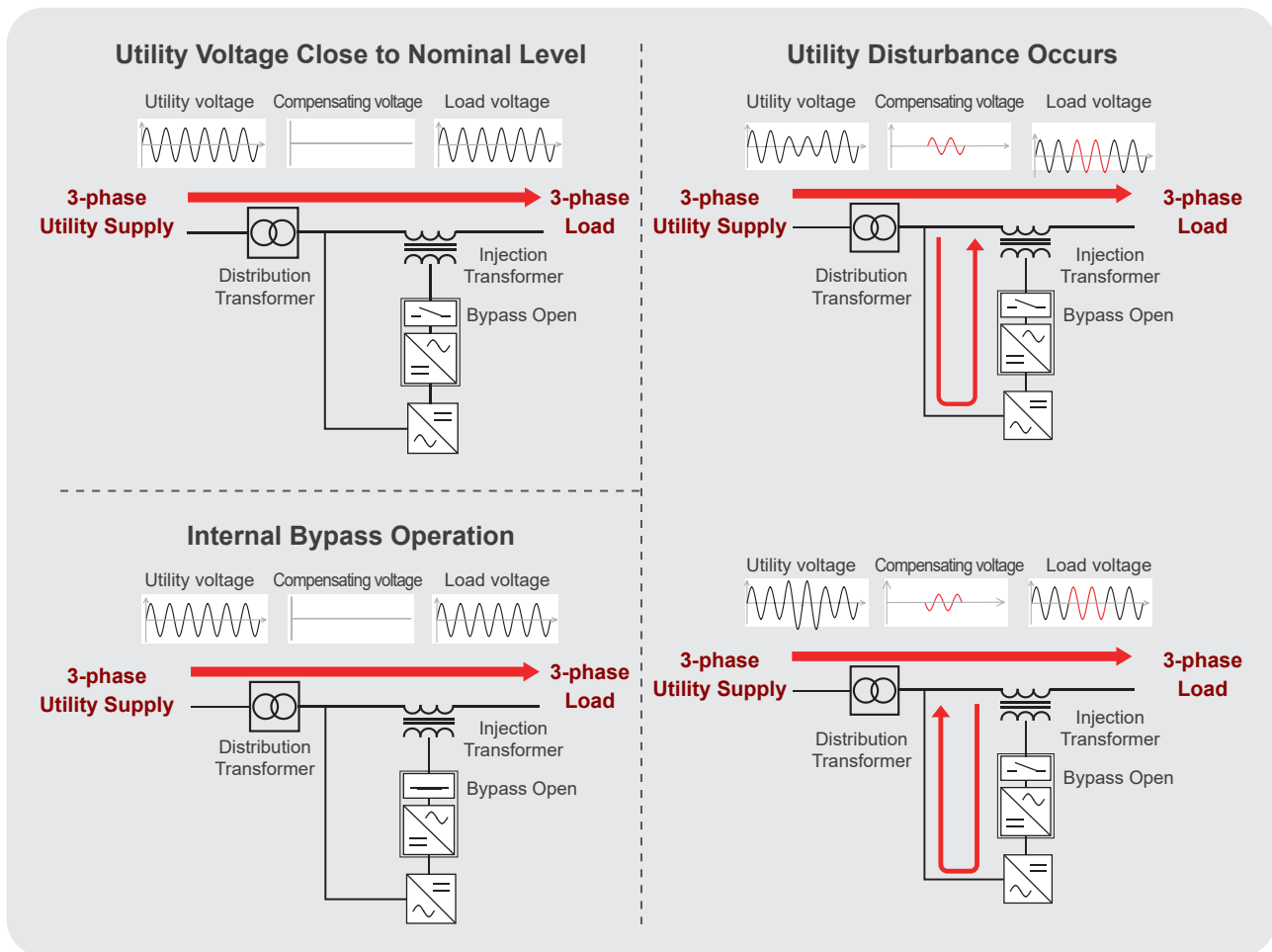
Furthermore, AVC contains a redundant internal bypass system that, in the event of overload or internal fault condition, ensures that the load is continued to be supplied from the utility.



• Technical Parameter

Item	Specification		
Capacity	Single Phase	15-50KVA	60KVA-1800KVA (RND)
	Three Phase	30KVA-500KVA	600KVA-3600KVA (RND)
Input	Power System	Three Phase 380V+N(3 Phase 4 Wire) Center ground referenced (TN-S)	
	Range	220V-application range 176-264V 380V-application range 304-456V	
	Max Supply Voltage	130%	
	Frequency	50Hz/60Hz ± 5 Hz	
	Outage-Control Ride Through	10ms	
	Harmonics	THDv<3%	
Output	Voltage	220V/380V	
	Regulation Mode	Contactless	
	Equivalent Impedance	< 4%(model specific)	
	Control model	independent control on each phase	
	Partial Correction Derating conditions	1.0 PF at 80% load, 0.8 PF at 100% load	
	Power Factor	0 lagging to 0.9 leading	
	Crest Factor	300%	
Performance	Overload Capacity from 100% supply Voltage	150% for 21s, once every 500s	
	Efficiency	Typically > 95%	
	Sag Correction Response	Initial <250ps Complete <1/2 cycle	
	Voltage Regulation Accuracy	<+0.5% typical, ± 2 % max	
	Sag Correction Accuracy	± 4 %	
	Continuous Regulation Range	± 10 %	
	Sag correction performance Three phase sags Single phase	60% to 100% for 30s 50% to 90% for 10s 40% to 100% for 10s	
	Partial correction derating conditions	1.0 PF at 80% load / 0.8 PF at 100% load	
Overload Protection	Bypass	Manual bypass, Automatic bypass	
	Capacity	100% of model rating (Kva)	
	Maximum Overload	120% for 60 s 150% for 15 s 1500% for 1s	
	Transfer Time	To Bypass < 0.5 ms / To Bypass < 250 ms	
Injection Transformer	Equivalent Series Impedance	Bypass < 2.5% typical	
	Transformer Type	Dry	
	Insulation	IEC 60085 Thermal class 200	
	Frequency	50Hz / 60Hz	
Protection	Vector Group	Diii (delta + 3 independent windings)	
	Input over/low voltage protection/output over/low voltage protection, input over current protection, TX over heat protection, overload protection	Internal	
Display	7 inch Touch Screen	Parameter control, power info, display, fault log, history curve line, etc.	
Environment	Operating Temperature Range	0°C to 50°C (32°F to 122°F)	
	Temperature Derating	Above 40°C, derate at 2% load per °C to a maximum of 50°C	
	Operating Altitude	< 1000 m without derating	
	Derating with Altitude	1% every 100m above 1500m. 2000m max	
	Inverter Cooling	Forced ventilation	
	Transformer Cooling	Natural convection	
	Humidity	<95%, non-condensing	
	Pollution Degree Rating	200%	
	Noise	<75dBA@1 m	
	Working Temperature	-25~+45°C	
	Storage Temperature	-30~+70°C	
	Protection Grade	IP54	

• Operational Detail



• Applications

• Electronics industry



• Continuous process



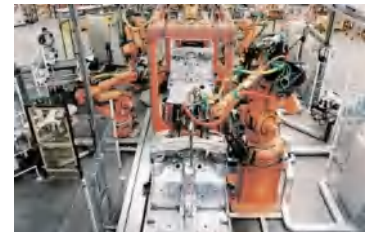
• Food and beverage



• Pharmaceutical



• Automotive



• Medical



PWR-LV

Single Phase Servo Motor Type

5KVA-100KVA



Features:

- ◆ Low input voltage
- ◆ More accurate output precision $\leq 2\%$
- ◆ Over voltage & Under voltage protection
- ◆ Themistor, upgraded function to offer more accurate over-heat protection to the device.
- ◆ If fan is not working, the device will cut off the output to avoid over-heat.
- ◆ Overload protection (on PCB) $\geq 120\%$
- ◆ MCU control
- ◆ Multi display
- ◆ Surge protection



• **Technical Parameter**

Specification		5KVA	10KVA	15KVA	20KVA	30KVA	40KVA	50KVA	75KVA	100KVA
Input	Phase	Single Phase								
	Voltage	AC 96V-144V								
	Frequency	50Hz/60Hz								
Output	Voltage	AC 120V±3%(110/127V±3%optional)								
	Capacity	4KW	8KW	12KW	16KW	24KW	32KW	40KW	60KW	80KW
	Frequency	50Hz/60Hz								
Protection	Low Voltage	100±4V(92 ±4V/106 ±4V)								
	Over Voltage	134 ±4V(123 ±4V/ 142±4V)								
	Time Delay	5s / 255s optional								
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)								
	Short Circuit	Circuit Breaker								
	Other	Surge protection								
Efficiency	AC-AC	98%								
Acoustic	Noise level	≤50dB								
Environment	Temperature	-5℃ to 40℃								
	Humidity	20% to 90%								

• **Product Appearance**

PWR-LV



PWR-LV-15K



PWR-LV-20K



PWR-LV-30K

◆ **Display Options**



• A

• B

• C

• D

TWS-LV

Wall-mounted Single Phase Servo Motor Type

5KVA-30KVA



Features:

- ♦ Ultra-low input voltage
- ♦ Over voltage & Under voltage protection
- ♦ Reaction time(voltage stabilization time) $\leq 2s$
- ♦ High precision: $120VAC \pm 3\%$
- ♦ Over temperature protection
- ♦ Short delay (5s) & Long delay (255s)

• Technical Parameter

Specification		5KVA	10KVA	15KVA	20KVA	30KVA
Input	Phase	Single phase				
	Voltage	AC 90V-140V				
	Frequency	50Hz/60Hz				
Output	Voltage	AC 120V±3%(110V/127V±3% optional)				
	Capacity	2400W	4000W	8KW	12KW	16KW
	Frequency	50Hz/60Hz				
Protection	Low voltage	100±4V/(92±4V/106±4V)				
	Over voltage	134V±4V(123±4V/142V±4V)				
	Time delay	5s (255s optional)				
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)				
	Short circuit	Circuit Breaker				
	Other	Surgee protection(optional)				
Product	Dimension	340*460*160	340*460*160	540*725*240	540*725*240	540*725*240
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5℃ to 40℃				
	Humidity	20% to 90%				

• **Product Appearance**

TWS-LV



TWS-LV-5K



TWS-LV-10K



TWS-LV-15K



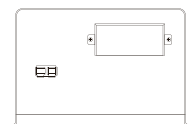
TWS-LV-20K



TWS-LV-30K

♦ **Bottom Panel**

• 5000VA-30000VA



♦ **Display Options**



PWR-2

Dual Phase Servo Motor Type

10KVA-60KVA



Features:

- ◆ Low input voltage
- ◆ More accurate output precision $\leq 2\%$
- ◆ Over voltage & Under voltage protection
- ◆ Themistor, upgraded function to offer more accurate over-heat protection to the device.
- ◆ If fan is not working, the device will cut off the output to avoid over-heat.
- ◆ Overload protection (on PCB) $\geq 120\%$
- ◆ MCU control
- ◆ Multi display
- ◆ Surge protection



• **Technical Parameter**

Specification		10KVA	15KVA	20KVA	30KVA	45KVA	50KVA	60KVA
Input	Phase	Dual Phase						
	Voltage	AC 96V-144V						
	Frequency	50Hz/60Hz						
Output	Voltage	AC 120V/240V±3%(110/220V±3%optional)						
	Capacity	8KW	12KW	16KW	24KW	36KW	40KW	48KW
	Frequency	50Hz/60Hz						
Protection	Low Voltage	100±4V/200±4V						
	Over Voltage	134±4V/268±4V						
	Time Delay	5s / 255s optional						
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)						
	Short Circuit	Circuit Breaker						
	Other	Surge protection						
Efficiency	AC-AC	98%						
Acoustic	Noise level	≤50dB						
Environment	Temperature	-5℃ to 40℃						
	Humidity	20% to 90%						

• **Product Appearance**

PWR-2



PWR-2-20K



PWR-2-30K



PWR-2-50K

♦ **Display Options**



• A

• B

• C

• D

PWR-3-LV

Three Phase Servo Motor Type

15KVA-300KVA



Features:

- ◆ More accurate output precision $\leq 2\%$
- ◆ MCU Control
- ◆ Surge protection
- ◆ Industrial strength components
- ◆ If fan fails, the device will cut off the output to avoid over-heat
- ◆ 100% unbalanced loading capability
- ◆ Ultra-low input voltage
- ◆ Overload protection (on PCB) $\geq 120\%$
- ◆ Multi display

• Technical Parameter

Specification		15KVA	30KVA	45KVA	60KVA	75KVA	100KVA
Input	Phase	3-phase 3-wire					
	Voltage	AC 166V-250V(±20%)/156V-260V(±25%)/145V-270V(±30%)					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 208V±3%/220V±3%					
	Capacity	12KW	24KW	36KW	48KW	60KW	80KW
	Frequency	50Hz/60Hz					
Protection	Low voltage	174±4V/184±4V					
	Over voltage	233V±4V/246V±4V					
	Time delay	5s					
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)					
	Short circuit	Circuit Breaker					
	Other	surge, phase-sequence, phase loss					
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5°C to 40°C					
	Humidity	20% to 90%					

Specification		120KVA	150KVA	200KVA	250KVA	300KVA
Input	Phase	3-phase 3-wire				
	Voltage	AC 166V-250V(±20%)/156V-260V(±25%)/145V-270V(±30%)				
	Frequency	50Hz/60Hz				
Output	Voltage	AC 208V±3%/220V±3%				
	Capacity	96KW	120KW	160KW	200KW	240KW
	Frequency	50Hz/60Hz				
Protection	Low voltage	174±4V/184±4V				
	Over voltage	233V±4V/246V±4V				
	Time delay	5s				
	Overload	MCU (cutting off output for 3 seconds when exceeding rated power by 120%)				
	Short circuit	Circuit Breaker				
	Other	surge, phase-sequence, phase loss				
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5°C to 40°C				
	Humidity	20% to 90%				

• Product Appearance

PWR-3-LV



PWR-3-LV-30KVA



PWR-3-LV-45KVA



PWR-3-LV-60KVA



PWR-3-LV-100KVA



PWR-3-LV-150KVA

◆ Display



• D

SBW-F IP54

Three Phase Servo Motor Automatic Voltage Regulator

300KVA-3000KVA



The SBW-F Series Three-Phase Automatic Compensation Voltage Stabilizer, designed with advanced European technology, is customizable for different regional needs. It ensures stable output voltage during external grid fluctuations or load changes.

Main advantages include high capacity, efficiency, no waveform distortion, and stable voltage regulation.

SBW-F series with Independent Phase Control: best for unbalanced loads, this model independently regulates each phase, providing precise voltage stability in complex power grid environments.

The SBW-F series stabilizer is widely applied in the field of industry, agriculture, transportation, telecommunications etc, ensuring efficient equipment operation in various scenarios.



• Technical Parameter

Specification		300KVA	400KVA	500KVA	600KVA	1500KVA	2000KVA	3000KVA
Input	Phase	3-phase 3-wire						
	Voltage	AC 480V±16%						
	Frequency	50Hz/60Hz						
Output	Voltage	AC 480V±3%						
	Capacity	240KW	320KW	400KW	480KW	1200KW	1600KW	2400KW
	Frequency	50Hz/60Hz						
Bypass	Current	630A	800A	1000A	1250A	3200A	4000A	6300A
Protection	Low voltage	420±7V						
	Over voltage	525V±7V						
	Time delay	10 seconds						
	Overload	MCU(cutting off output for 60 seconds when exceeding rated power by 120%)						
	Short circuit	Circuit Breaker						
	Other	surge, phase-sequence, phase loss						

• Product Appearance

SBW-F



300KVA



400KVA



1000KVA

ST

Step Up & Down Transformer

500VA-2000VA



ST Step up/down voltage converter ,we have two transformers for your option.EI transformer/Toroidal transformer.

Input voltage range:

◆ 110V/200V/220V/240V

Ouptut frequency range:

◆ 110V & 220V or customized

Features:

- ◆ Step Up/ Down Voltage Converter
- ◆ EI Transformer / Toroidal Transformer
- ◆ Durable Enclosure
- ◆ Power Source Indicating Switch

• Product Appearance



50VA/75VA



100VA/150VA



200VA/250VA/300VA



500VA/750VA



1000VA/1500VA/2000VA

TDGC₂/TSGC₂

Manual Voltage Regulator



• Technical Parameter

Specification & Capacity	Max output capacity KVA	Rated input voltage V	Rated output voltage V	Max output current A	Overall size (W*D*L)mm	TQY(PCI)	Package size/set (W*D*L)mm	Net weight kg	Gross weight kg	no of phase
TSGC ₂ -1.5	1.5	380V	0-430V	2	125x180x340	1	200x260x400	9.8	12	3
TSGC ₂ -3	3.0			4	180x250x430	1	300x220x510	17	21.5	
TSGC ₂ -6	6.0			8	180x250x460	1	330x220x560	22	27	
TSGC ₂ -9	9.0			12	210x250x590	1	320x260x580	29	35	
TSGC ₂ -15	15.0			20	240x330x560	1	390x295x650	48	56	
TSGC ₂ -20	20.0			27	240x330x580	1	390x295x650	53	60	
TSGC ₂ -30	30.0			40	350x420x1060	1	440x450x1170	138	150	

Specification & Capacity	Max output capacity KVA	Rated input voltage V	Rated output voltage V	Max output current A	Overall size (W*D*L)mm	TQY(PCI)	Package size/set (W*D*L)mm	Net weight kg	Gross weight kg	no of phase
TDGC ₂ -0.2	0.2	220V	0-250V	0.8	105x130x130	12	380x347x350	25	26.5	1
TDGC ₂ -0.5	0.5			2	125x150x130	8	380x347x350	27	28	
TDGC ₂ -1	1.0			4	180x200x210	4	435x255x465	25	26	
TDGC ₂ -2	2.0			8	180x200x210	4	435x255x465	31.5	33	
TDGC ₂ -3	3.0			12	210x230x230	2	490x275x290	21.5	23	
TDGC ₂ -5	5.0			20	240x285x250	1	330x275x290	17.5	18	
TDGC ₂ -10	10.0			40	240x335x400	1	390x295x505	34	40	
TDGC ₂ -15	15.0			60	240x335x560	1	390x295x650	50	58	
TDGC ₂ -20	20.0			80	240x340x590	1	390x295x650	53	60	



EY-01



EY-02



EY-08



EY-09



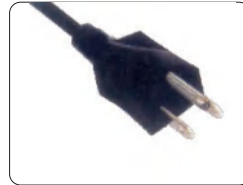
EY-30



EY-20



EY-24



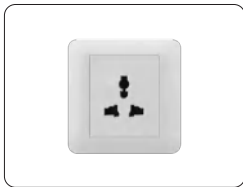
EY-28



EY-29



EY-30



EYE-01



EYE-06



EYE-09



EYE-11



EYE-20



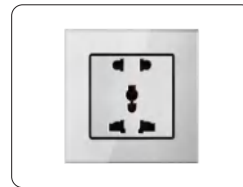
EYE-16



EYE-13



EYE-14



EYE-18



EYE-19



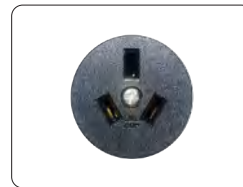
EYE-21



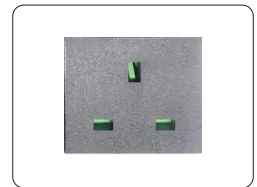
EYE-22



EYE-24



EYE-25



EYE-25



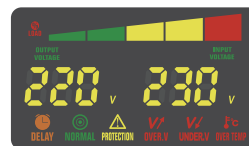
• A



• B



• C



• D



• LED display



• Analog display



**Energy Storage System
&
Power Quality System Provider**

ELEQTRA ENERGY (PTY) LTD

Tel: +27 710 888 888 / +86 133 3606 4501

Email: sa@eleqtraenergy.com / china@eleqtraenergy.com

Website: eleqtraenergy.com

Africa

Add: Unit 10, Lincorp Industrial Park, 21 1st Rd, Linbro Park,
Sandton, 2090, South Africa

China

Add: No. Building A, Yongtong Guomao Plaza, Keqiao District,
Shaoxing City, Zhejiang Province, China