YIY

VOLTAGE REGULATOR

SERVO TYPE / RELAY TYPE/ IGBT TYPE/ OTHERS

Start Digital Power Supply



ZHEJIANG YIYEN HOLDING GROUP

ZHEJIANG YIYEN HOLDING GROUP is a high-tech enterprise specializing in the research, development, and intelligent manufacturing of power electronics technologies. With a strong focus on reducing electricity costs and improving energy efficiency, the Group provides core power equipment and integrated system solutions for the Energy Internet of Things. With electrochemical energy storage and energy efficiency management at the core of its business, YIYEN provides advanced energy solutions for industries including power, telecommunications, finance, education, healthcare, as well as large industrial and mining enterprises.

The Group has established R&D centers in Shenzhen, Nanjing, and Hangzhou, and has developed joint laboratories and research collaborations with leading universities, including Hohai University, Tsinghua University, Nanjing University of Aeronautics and Astronautics, and The Hong Kong Polytechnic University. Backed by strong R&D capabilities, YIYEN's products have obtained certifications including CE, UL, TÜV, and CQC, and are sold in more than 130 countries and regions worldwide.

Driven by continuous innovation, YIYEN is committed to delivering safe, efficient, intelligent, and sustainable energy solutions, helping customers optimize energy use, reduce operating costs, and build a more sustainable energy future.

300+
Staff

30000m²+
Plant Area

15 year +
Years Experience

100,000+ /year
Unit Shipments

ENTERPRISE ARCHITECTURE

Headquarters

ZHEJIANG YIYEN HOLDING GROUP

Intelligent Manufacturing	Lishui Yiyen Technology CO.,LTD	Factory
Globalization Channel	Wenzhou Yiyen Supply Chain Management CO.,LTD	Marketing/Sales/Sourcing Total Solutions and Technical Services
Investment Operation	Wenzhou Yiyen Energy Development CO.,LTD	EPC Service Provider for New Energy and Energy Storage Plants Contract Energy Management (Domestic Only)
R&D	Nanjing Branch Shenzhen Branch Hangzhou Branch	R&D Center

50+
R&D Staff

130+
Export Countries

100+
Intellectual Properties

Qualification Certification



ISO9001

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. : 20222Q21193R0S

We hereby certify that the organization:

LISHUI YIYEN TECHNOLOGY COMPANY LIMITED

Unified social credit code: 91331127MA2E079Y8T

is in conformity with Quality Management System Standard:

GB/T19001-2016 idt ISO9001:2015

The certificate is valid to the following products/service:

The assembling of Voltage Stabilizer、Inverter、Photovoltaic Equipment（MPPT Solar Charger、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 Zone,Lishui City,Zhejiang Province, China.

Date of Issue: 26-09-2022
Date of Expiry: 25-09-2025
Date of Initial: 26-09-2022

Issued By

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

Zhejiang Quanpin Certification CO.,LTD. Certificates Appropriation

The audit of validity of the certificate, the certificate shall be at least once a year. The effectiveness of the Certificate is subject to QR 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, Puyan Road, Puyan Street, Binjiang District, Hangzhou City, Zhejiang Province, China 310053 WEB: Http://www.qpc.org.cn



ISO45001

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.：20222S20467R0S

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 Standard：

GB/T45001-2020 idt ISO45001:2018

The certificate is valid to the following products/service：

The assembly and related management activities of Voltage Stabilizer、Inverter、Photovoltaic Equipment（MPPT Solar Charger、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 Zone,Lishui City,Zhejiang Province, China.

Date of Issue: 26-09-2022
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Zhejiang Quanpin Certification CO.,LTD. Certificates Appropriation

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ZHEJIANG QUANPIN CERTIFICATION CO.,LTD.

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



ISO14001

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No.：20222E20495R0S

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 Charger、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 Zone,Lishui City,Zhejiang Province, China.

Date of Issue: 26-09-2022
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Issued By

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Zhejiang Quanpin Certification CO.,LTD. Certificates Appropriation

The audit of validity of the certificate, the certificate shall be at least once a year. The effectiveness of the Certificate is subject to QR 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, Puyan Road, Puyan Street, Binjiang District, Hangzhou City, Zhejiang Province, China 310053 WEB: Http://www.qpc.org.cn



KES TESTING CERTIFICATION • • • KES TESTING CERTIFICATION

Certificate of Conformity

KES

Certification No.	:	KESJC20220625S1495
Applicant	:	LISHUI YIYEN TECHNOLOGY COMPANY LIMITED
Address	:	No.77,Xiang Long Road,Lian Du Zone,Lishui City,Zhejiang Province, China.
Manufacturer	:	LISHUI YIYEN TECHNOLOGY COMPANY LIMITED
Address	:	No.77,Xiang Long Road,Lian Du Zone,Lishui City,Zhejiang Province, China.
Certification	:	CE-LVD
Product Description	:	Three phase automatic compensation voltage regulator
Model	:	SBW-30kVA, SBW-50kVA, SBW-60kVA, SBW-80kVA, SBW-100kVA, SBW-120kVA, SBW-150kVA, SBW-180kVA, SBW-200kVA, SBW-220kVA, SBW-250kVA, SBW-300kVA, SBW-320kVA, SBW-350kVA, SBW-409kVA, SBW-500kVA, SBW-600kVA, SBW-800kVA, SBW-1000kVA, SBW-1200kVA, SBW-1500kVA, SBW-1600kVA, SBW-2200kVA, SBW-2500kVA
Trademark	:	N/A

The above products have been tested by us with listed standards and found in compliance with the Directive 2014/35/EU. It is possible to use CE marking to demonstrate the compliance with this Directive.

Test Standards	:	EN 62368-1:2020+A11:2020

The certificate is based on a single evaluation of tested samples of above-mentioned product. It does not imply an assessment of the whole production and does not permit the use of the test laboratory logo.

CE

Authorized Signer:

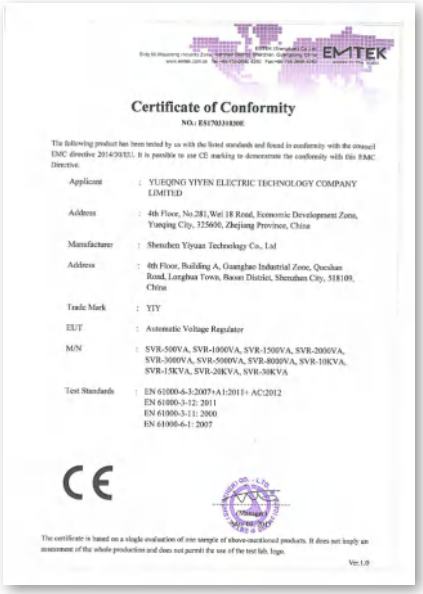
Kevin Liu /Manager

Jan. 16, 2022

Shenzhen KES Testing & Certification Co., LTD

Room 405, Floor 4th, Building C, Yitong Technology Industrial Park, Xiqiang Street, Bao' an District, Shenzhen, Guangdong, China

86-755-23009643 86-755-23009643 http://www.kestest.com



EMTEK

Certificate of Conformity

NO.: ES1703310308E

The following product has been tested by us with the listed standards and found in conformity with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the conformity with this EMC Directive.

Applicant	:	YUEQING YIYEN ELECTRIC TECHNOLOGY COMPANY LIMITED
Address	:	4th Floor, No.281,Wei 18 Road, Economic Development Zone, Yueqing City, 325600, Zhejiang Province, China
Manufacturer	:	Shenzhen Yiyuan Technology Co., Ltd
Address	:	4th Floor, Building A, Guanghao Industrial Zone, Queshan Road, Longhua Town, Baoan District, Shenzhen City, 518109, China
Trade Mark	:	YIY
EUT	:	Automatic Voltage Regulator
M/N	:	SVR-500VA, SVR-1000VA, SVR-1500VA, SVR-2000VA, SVR-3000VA, SVR-5000VA, SVR-8000VA, SVR-10KVA, SVR-15KVA, SVR-20KVA, SVR-30KVA
Test Standards	:	EN 61000-6-3:2007+A1:2011+ AC:2012 EN 61000-3-12: 2011 EN 61000-3-11: 2000 EN 61000-6-1: 2007

CE

Manager

May 28, 2017

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Ver.1.0



EMTEK

Certificate of Conformity

NO.: ES1703310305

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the conformity with this LVD Directive.

Applicant	:	YUEQING YIYEN ELECTRIC TECHNOLOGY COMPANY LIMITED
Address	:	4th Floor, No.281,Wei 18 Road, Economic Development Zone,Yueqing City,325600,Zhejiang Province, China
Manufacturer	:	Shenzhen Yiyuan Technology Co.,Ltd
Address	:	4th Floor, Building A, Guanghao Industrial Zone, Queshan Road, Longhua Town, Baoan District, Shenzhen City,518109,China
Trade Mark	:	YIY
EUT	:	Automatic Voltage Regulator
M/N	:	SVR-500VA, SVR-1000VA, SVR-1500VA, SVR-2000VA, SVR-3000VA, SVR-5000VA, SVR-8000VA, SVR-10KVA, SVR-15KVA, SVR-20KVA, SVR-30KVA
Technical Data	:	Refer to test report.
Test Standards	:	EN 61558-2-12: 2011

CE

Manager

May 28, 2017

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Ver.1.0



EMTEK

Certificate of Conformity

NO.: ES1703310305

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the conformity with this LVD Directive.

Applicant	:	YUEQING YIYEN ELECTRIC TECHNOLOGY COMPANY LIMITED
Address	:	4th Floor, No.281,Wei 18 Road, Economic Development Zone,Yueqing City,325600,Zhejiang Province, China
Manufacturer	:	Shenzhen Yiyuan Technology Co.,Ltd
Address	:	4th Floor, Building A, Guanghao Industrial Zone, Queshan Road, Longhua Town, Baoan District, Shenzhen City,518109,China
Trade Mark	:	YIY
EUT	:	Automatic Voltage Regulator
M/N	:	SVR-500VA, SVR-1000VA, SVR-1500VA, SVR-2000VA, SVR-3000VA, SVR-5000VA, SVR-8000VA, SVR-10KVA, SVR-15KVA, SVR-20KVA, SVR-30KVA
Technical Data	:	Refer to test report.
Test Standards	:	EN 61558-2-12: 2011

CE

Manager

May 28, 2017

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Ver.1.0



EMTEK

Certificate of Conformity

NO.: ES1703310302E

The following product has been tested by us with the listed standards and found in conformity with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the conformity with this EMC Directive.

Applicant	:	YUEQING YIYEN ELECTRIC TECHNOLOGY COMPANY LIMITED
Address	:	4th Floor, No.281,Wei 18 Road, Economic Development Zone, Yueqing City, 325600, Zhejiang Province, China
Manufacturer	:	Shenzhen Yiyuan Technology Co., Ltd
Address	:	4th Floor, Building A, Guanghao Industrial Zone, Queshan Road, Longhua Town, Baoan District, Shenzhen City, 518109, China
Trade Mark	:	YIY
EUT	:	Automatic Voltage Regulator
M/N	:	TR-500VA, TR-1000VA, TR-1500VA, TR-2000VA, TR-3000VA, TR-5000VA, TR-8000VA, TR-10KVA, TR-12KVA, TR-15KVA
Test Standards	:	EN 61000-6-3:2007+A1:2011+ AC:2012 EN 61000-3-12: 2011 EN 61000-3-11: 2000 EN 61000-6-1: 2007

CE

Manager

May 17, 2017

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Ver.1.0



EMTEK

Certificate of Conformity

NO.: ES1703310298

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the conformity with this LVD Directive.

Applicant	:	YUEQING YIYEN ELECTRIC TECHNOLOGY COMPANY LIMITED
Address	:	4th Floor, No.281,Wei 18 Road, Economic Development Zone,Yueqing City,325600,Zhejiang Province, China
Manufacturer	:	Shenzhen Yiyuan Technology Co.,Ltd
Address	:	4th Floor, Building A, Guanghao Industrial Zone, Queshan Road, Longhua Town, Baoan District, Shenzhen City,518109,China
Trade Mark	:	YIY
EUT	:	Automatic Voltage Regulator
M/N	:	TR-500VA, TR-1000VA, TR-1500VA, TR-2000VA, TR-3000VA, TR-5000VA, TR-8000VA, TR-10KVA, TR-12KVA, TR-15KVA
Technical Data	:	Refer to test report.
Test Standards	:	EN 61558-2-12: 2011

CE

Manager

May 25, 2017

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Ver.1.0



EMTEK

Certificate of Conformity

NO.: ES1703310288

The following product has been tested by us with the listed standards and found in conformity with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the conformity with this EMC Directive.

Applicant	:	YUEQING YIYEN ELECTRIC TECHNOLOGY COMPANY LIMITED
Address	:	4th Floor, No.281,Wei 18 Road, Economic Development Zone, Yueqing City, 325600, Zhejiang Province, China
Manufacturer	:	Shenzhen Yiyuan Technology Co., Ltd
Address	:	4th Floor, Building A, Guanghao Industrial Zone, Queshan Road, Longhua Town, Baoan District, Shenzhen City, 518109, China
Trade Mark	:	YIY
EUT	:	Automatic Voltage Regulator
M/N	:	TSD-500VA, TSD-1000VA, TSD-1500VA, TSD-2000VA, TSD-3000VA, TSD-5000VA, TSD-8000VA, TSD-10KVA, TSD-12KVA
Test Standards	:	EN 61000-6-3:2007+A1:2011+ AC:2012 EN 61000-3-12: 2011 EN 61000-3-11: 2000 EN 61000-6-1: 2007

CE

Manager

May 15, 2017

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Ver.1.0



EMTEK

Certificate of Conformity

NO.: ES1703310285

The following product has been tested by us with the listed standards and found in conformity with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the conformity with this LVD Directive.

Applicant	:	YUEQING YIYEN ELECTRIC TECHNOLOGY COMPANY LIMITED
Address	:	4th Floor, No.281,Wei 18 Road, Economic Development Zone,Yueqing City,325600,Zhejiang Province, China
Manufacturer	:	Shenzhen Yiyuan Technology Co.,Ltd
Address	:	4th Floor, Building A, Guanghao Industrial Zone, Queshan Road, Longhua Town, Baoan District, Shenzhen City,518109,China
Trade Mark	:	YIY
EUT	:	Automatic Voltage Regulator
M/N	:	TSD-500VA, TSD-1000VA, TSD-1500VA, TSD-2000VA, TSD-3000VA, TSD-5000VA, TSD-8000VA, TSD-10KVA, TSD-12KVA
Technical Data	:	Refer to test report.
Test Standards	:	EN 61558-2-12: 2011

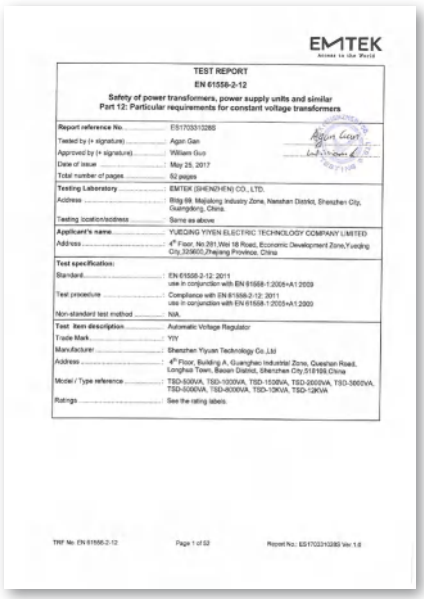
CE

Manager

May 25, 2017

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

Ver.1.0



EMTEK

Access to the World

TEST REPORT

EN 61558-2-12

Safety of power transformers, power supply units and similar
Part 12: Particular requirements for constant voltage transformers

Report reference No.	:	ES1703310288
Tested by (+ signature)	:	Agan Gan
Approved by (+ signature)	:	William Guo
Date of issue	:	May 28, 2017
Total number of pages	:	52 pages
Testing Laboratory	:	EMTEK (SHENZHEN) CO., LTD.
Address	:	Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen City, Guangdong, China.
Testing location/address	:	Same as above
Applicant's name	:	YUEQING YIYEN ELECTRIC TECHNOLOGY COMPANY LIMITED
Address	:	4th Floor, No.281,Wei 18 Road, Economic Development Zone,Yueqing City,325600,Zhejiang Province, China
Test specification:		
Standard	:	EN 61558-2-12: 2011 use in conjunction with EN 61558-1:2005+A1:2009
Test procedure	:	Compliance with EN 61558-2-12: 2011 use in conjunction with EN 61558-1:2005+A1:2009
Non-standard test method	:	N/A
Test item description	:	Automatic Voltage Regulator
Trade Mark	:	YIY
Manufacturer	:	Shenzhen Yiyuan Technology Co.,Ltd
Address	:	4th Floor, Building A, Guanghao Industrial Zone, Queshan Road, Longhua Town, Baoan District, Shenzhen City,518109,China
Model / Type reference	:	TSD-500VA, TSD-1000VA, TSD-1500VA, TSD-2000VA, TSD-5000VA, TSD-8000VA, TSD-8000VA, TSD-10KVA, TSD-12KVA
Ratings	:	See the rating labels.

TRF No. EN 61558-2-12 Page 1 of 52 Report No.: ES1703310288 Ver. 1.0

PRODUCT CATALOGUE

PWR Single Phase Servo Motor Type 01

PRO Single Phase Servo Motor Type 03

TWS Wall-mounted Single Phase Servo Motor Type 07

TSS Wall-mounted Single Phase Servo Motor Type 10

SWR Single Phase Relay Type 13

AVR Single Phase Relay Type 16

TRS Wall-Mounted Single Phase Relay Type 20

PR Portable Single Phase Relay Type 23

CVCF Voltage and Frequency Stabilisers 25

PWR-2 Dual Phase Servo Motor Type 27

PWR-3 Three Phase Servo Motor Type 29

PRO-3 Three Phase Servo Motor Type 32

SBW-F IP21/55 Independent Phase Control Servo Motor Type 35

SBW Three Phase (Industrial) Servo Motor Type 38

AVC Three Phase IGBT Type Active Voltage Conditioner 40

ST Step Up & Down Transformer 43

TDGC2/TSGC2 Manual Voltage Regulator 45

PWR

Single Phase Servo Motor Type

5000VA-40KVA





Features:

- ♦ MCU control,Multi-display
- ♦ Wide input voltage, High output precision ≤3%
- ♦ Output cut-off to prevent overheating if fan fails
- ♦ Upgraded thermistor for accurate over-temperature protection
- ♦ Strong tolerance to grid fluctuation with compensation transformer
- ♦ Over & under voltage protection
- ♦ Surge protection
- ♦ PCB on-board overload protection ≥120%

• Technical Parameter

Specification		5000VA	10KVA	15KVA	20KVA	30KVA	40KVA
Input	Phase	Single Phase					
	Voltage	AC 187V-253V(±15%)/176V-264V(±20%)/165V-275V(±25%)/154V-286V(±30%) for 220V system AC 96V-144V(±20%)/AC 90V-150V(±25%)/AC 84V-156V(±30%) for 120V system					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 220V±3%/AC 120V±3%					
	Capacity	4000W	8KW	12KW	16KW	24KW	32KW
	Frequency	50Hz/60Hz					
Protection	Low Voltage	184±4V/100±4V					
	Over Voltage	246V±4V/134 ±4V					
	Time Delay	5s / 255s optional					
	Overload	MCU control (output cut-off for 3s when power exceeds 120% of rated value)					
	Short Circuit	Circuit Breaker					
	Other	Surge protection					
Product Dimension (mm)	Horizontal Type	456*220*386	456*220*386	488*220*511	488*220*511	556*337*506	556*337*506
	Tower Type	/	/	420*340*501	500*370*566	450*437*627	450*437*627
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5˚C to 40˚C					
	Humidity	20% to 90%					

• Product Appearance

PWR (Horizontal Type)



5000VA/10KVA



15KVA/20KVA



30KVA/40KVA

PWR (Tower Type)



15KVA



20KVA



30KVA/40KVA

PRO

Single Phase Servo Motor Type

500VA-12KVA





Features:

- ♦ MCU control
- ♦ Multi-display/dual LED display
- ♦ High output precision ≤3%
- ♦ Over & under voltage protection
- ♦ Over-temperature protection
- ♦ Overload protection(on PCB) ≥120%
- ♦ Output cut-off if fan fails to prevent overheating

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA	3000VA
Input	Phase	Single phase				
	Voltage	**AC 150V-250V / 100V-250V**				
	Frequency	50Hz/60Hz				
Output	Voltage	AC 220V ±3% / customized				
	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				
Packaging	Pcs per Carton	4			2	
	Shipping Wt.(kg)	14.6	18.2	22.8	18.9	23.4
	Package dimensions (mm)	430*250*330	500*240*380		610*257*280	610*365*275
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5˚C to 40˚C				
	Humidity	20% to 90%				

Specification		5000VA	8000VA	10KVA	12KVA
Input	Phase	Single phase			
	Voltage	**AC 150V-250V / 100V-250V**			
	Frequency	50Hz/60Hz			
Output	Voltage	AC 220V ±3% / customized			
	Capacity	4000W	6400W	8KW	10KW
	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	2	1		
	Shipping Wt.(kg)	28	23.7	25	27
	Package dimensions (mm)	610*425*275	430*250*330		
Efficiency	AC-AC	98%			
Acoustic	Noise level	≤50dB			
Environment	Temperature	-5˚C to 40˚C			
	Humidity	20% to 90%			

• Product Appearance

PRO C



500VA



1000VA/1500VA



2000VA



3000VA



5000VA



8000VA/10KVA/12KVA

PRO-E



500VA



1000VA/1500VA



2000VA



3000VA



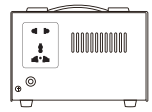
5000VA

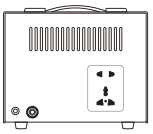


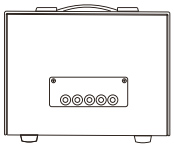
8000VA/10KVA/12KVA

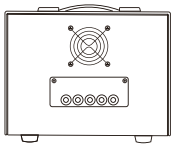
• Product Appearance

♦ Rear Panel


● 500VA-1000VA


● 1500VA-2000VA


● 3000VA-5000VA


● 8000VA-12KVA

♦ Display Options




● A(<15KW)


● B(>15KW)


● Dual LED display 1


● LED display


● Analog display

♦ Socket Options


● Universal


● UK 13


● UK 15


● European


● Indian R6


● US

* More options,please turn to page 42

TWS

Wall-mounted Single Phase Servo Motor Type

3000VA-15KVA





Features:

- ♦ Ultra-low input voltage
- ♦ Over voltage & Under voltage protection
- ♦ Reaction time(voltage stabilization time) ≤2s
- ♦ High precision: 220V±3%/AC 120V±3%
- ♦ Over temperature protection
- ♦ Short delay (5s) & Long delay (255s)

• Technical Parameter

Specification		3000VA	5000VA	10KVA	15KVA
Input	Phase	Single phase			
	Voltage	**AC 80V-260V/AC 90V-140V**			
	Frequency	50Hz/60Hz			
Output	Voltage	AC 220V±3%/AC 120V±3%			
	Capacity	2400W	4000W	8KW	12KW
	Frequency	50Hz/60Hz			
Protection	Low voltage	184±4V/100±4V			
	Over voltage	246V±4V/134V±4V			
	Time delay	5s / 255s optional			
	Overload	MCU control (output cut-off for 3s when power exceeds 120% of rated value)			
	Short circuit	Circuit Breaker			
	Other	Surge protection(optional)			
Product	Dimension	/	340*460*160	340*510*160	540*725*240
Efficiency	AC-AC	98%			
Acoustic	Noise level	≤50dB			
Environment	Temperature	-5℃ to 40℃			
	Humidity	20% to 90%			

• Product Appearance

TWS



5000VA



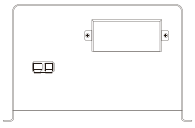
10KVA



15KVA

♦ Bottom Panel

• 5000VA-15000VA



♦ Display Options



• A



• B



• C



• D

TSS

Wall-mounted Single Phase Servo Motor Type

500VA-12KVA





Features:

- ♦ Over voltage & Under voltage protection
- ♦ Reaction time(voltage stabilization time) ≤60ms
- ♦ High precision: 220VAC±3%
- ♦ 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 optional				
	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		398*315*364
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 optional			
	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℃ to 40℃			
	Humidity	20% to 90%			

• Product Appearance



500VA/1000VA



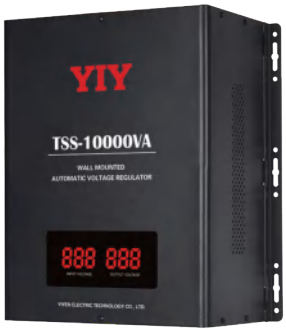
1500VA/1000VA



3000VA

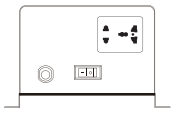


5000VA

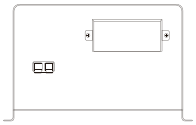


8000VA/10KVA/12KVA

♦ Bottom Panel



● 500VA-2000VA



● 3000VA-12KVA

♦ Display Options



● A



● B



● C



● Dual LED display



● LED display

♦ Socket Options



● Universal



● UK 13



● UK 15



● European



● Indian R6



● US

* More options,please turn to page 38

SWR

Single Phase Relay Type

500VA-30KVA





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≤60ms

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA	3000VA
Input	Phase	Single phase				
	Voltage	**AC 90V-280V / AC 80V-150V**				
	Frequency	50Hz/60Hz				
Output	Voltage	AC 220V±10%/AC 127V±10%				
	Capacity	400W	800W	1200W	1600W	2400W
	Frequency	50Hz/60Hz				
Protection	Low voltage	184±4V/106±4V				
	Over voltage	246V±4V/142V±4V				
	Time delay	5s / 255s optional				
	Overload	MCU control (output cut-off for 3s when power exceeds 120% of rated value)				
	Short circuit	Circuit Breaker				
	Other	Surge protection (optional)				
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5°C to 40°C				
	Humidity	20% to 90%				

Specification		5000VA	8000VA	10KVA	12KVA	15KVA	20KVA	30KVA
Input	Phase	Single phase						
	Voltage	**AC 45V-280V / 90V-280V / AC 80V-150V**					**AC 45V-280V / 90V-280V**	
	Frequency	50Hz/60Hz						
Output	Voltage	AC 220V±10%/127V±10%						
	Capacity	4000W	6400W	8KW	9.6KW	12KW	16KW	24KW
	Frequency	50Hz/60Hz						
Protection	Low voltage	184±4V/106±4V						
	Over voltage	246V±4V/142V±4V						
	Time delay	5s / 255s optional						
	Overload	MCU control (output cut-off for 3s when power exceeds 120% of rated value)						
	Short circuit	Circuit Breaker						
	Other	Surge protection (optional)						
Efficiency	AC-AC	98%						
Acoustic	Noise level	≤50dB						
Environment	Temperature	-5°C to 40°C						
	Humidity	20% to 90%						

• Product Appearance

SWR

*Case color can be customized



500VA/1500VA



3000VA



5000VA



10KVA/15KVA

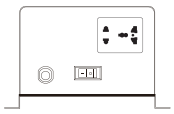


20KVA

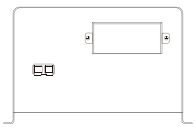


30KVA

♦ Bottom Panel



● 500VA-2000VA



● 3000VA-30KVA

♦ Display Options



● A



● B



● C



● Dual LED display

AVR

Single Phase Relay Type

500VA-20KVA





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 ±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				
Packaging	Pcs per Carton	8		4		2
	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˚C to 40˚C				
	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˚C to 40˚C					
	Humidity	20% to 90%					

• Product Appearance

AVR B

*Case color can be customized


500VA/1000VA


1500VA/2000VA


3000VA/5000VA


8000VA/10KVA/12KVA

AVR D

*Case color can be customized


500VA/1000VA


1500VA/2000VA


3000VA/5000VA


8000VA/10KVA/12KVA

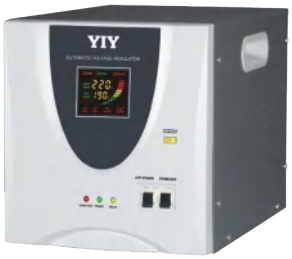
AVR E

*Case color can be customized


500VA/1000VA


1500VA/2000VA


3000VA/5000VA


8000VA/10KVA/12KVA

AVR F

*Case color can be customized


500VA


1000VA/1500VA


3000VA/5000VA

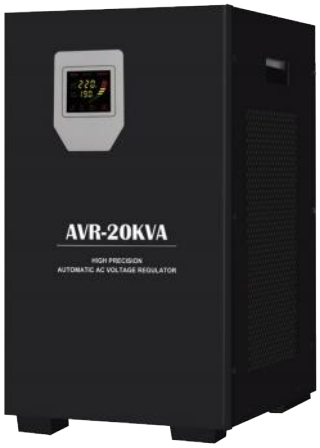

8000VA/10KVA/12KVA

• Product Appearance

AVR-Tower Type



15KVA



20KVA

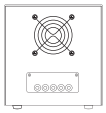
♦ Rear Panel



● 500VA-2000VA



● 3000VA



● 5000VA-12KVA



● 5000VA-12KVA

♦ Display Options



● A



● B



● C



● Dual LED display 1



● Dual LED display 2



● LED display



● Analog display

♦ Socket Options



● Universal



● UK 13



● UK 15



● European



● Indian R6



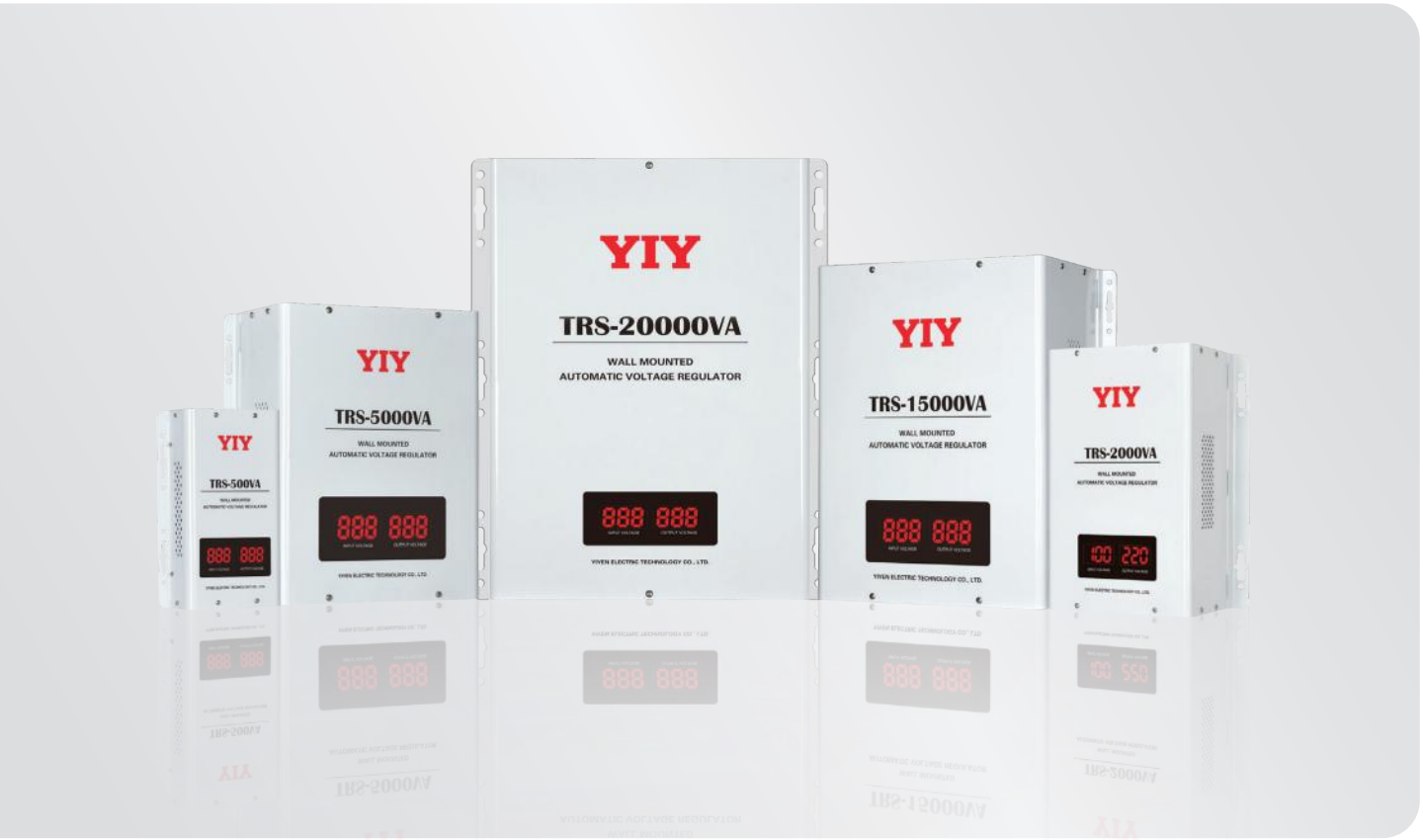
● US

* More options,please turn to page 42

TRS

Wall Mounted Single Phase Relay Type

500VA-20KVA





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≤60ms

• 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 optional				
	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˚C to 40˚C				
	Humidity	20% to 90%				

Specification		5000VA	8000VA	10KVA	12KVA	15KVA (Tower)	20KVA (Tower)
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 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)	425*315*365		482*358*225			492*585*255
Efficiency	AC-AC	95%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5˚C to 40˚C					
	Humidity	20% to 90%					

• Product Appearance

TRS



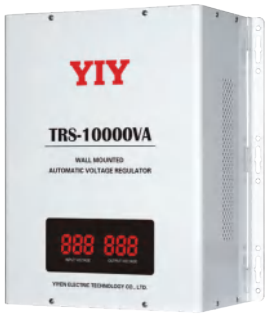
500VA/1000VA



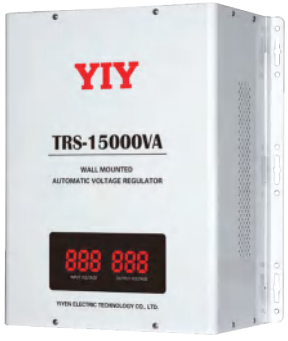
1500VA/2000VA



3000VA/5000VA



8000VA/10KVA/12KVA



15KVA/20KVA

♦ Bottom Panel



● 500VA-2000VA



● 3000VA-20KVA

♦ Display Options



● A



● B



● C



● Dual LED display



● LED display

♦ Socket Options



● Universal



● UK 13



● UK 15



● European



● Indian R6



● US

* More options,please turn to page 38

PR

Portable Single Phase Relay Type

500VA-2000VA











Features:

- ♦ CPU control
- ♦ Component damage protection
- ♦ Short circuit and overload protection
- ♦ Surge, spike, and lightning protection (optional)
- ♦ Over temperature protection
- ♦ LED indicators to show status of working, over voltage, and low voltage
- ♦ Multiple socket and plug
- ♦ Protection against brownouts and over voltages
- ♦ Digital meter indicates line voltage and output voltage

• 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 optional			
	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:

♦ 90-270VAC,1Phase, 2Wire,+Earth

Input frequency range:

♦ 35-70Hz

Features:

♦ Correction time 10ms
♦ Output accuracy ±1%
♦ Output wave form distortion THD<3%
♦ Effect of Power factor PF>0.99
♦ Frequency protection
♦ Compatible with generator

• Technical Parameter

Parameters	Power Rating	5000VA	10KVA
Input Voltage	Nominal voltage Rating	230VAC 1Phase, 2Wire,+Earth	
	Voltage Range	**90-270VAC**	
	Frequency	35-70Hz	
Output Voltage	Voltage	220V/230V/240V ± 1%	
	Correction time	10ms	
	Voltage Regulation	±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±1V	
	Input Over Voltage	280±3V	
	Output Under Voltage	184V/@220V 192V/@230,201V/@240V	
	Output Over Voltage	246V/@220V,250V/@230V,260V/@240V	
	Over-temperature	Module: 80℃ Protection/Recovery at 65℃	
	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℃	
	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

PWR-2

Dual Phase Servo Motor Type

10KVA-60KVA





Features:

- ♦ MCU control
- ♦ Multi display
- ♦ DUAL output with high output precision≤3%
- ♦ Over voltage & Under voltage protection
- ♦ Upgraded thermistor for accurate over-temperature protection
- ♦ Output cut-off to prevent overheating if fans fails
- ♦ Surge protection
- ♦ Overload protection(on PCB)≥120%

• 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%						
	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



20KVA



30KVA



50KVA

♦ Display Options



• A • B • C • D

PWR-3

Three Phase Servo Motor Type

15KVA-300KVA










Features:

- MCU Control
- Multi display
- Multiple Input Ranges
- High output precision≤3%
- Overload protection(on PCB)≥120%
- Strong tolerance to grid fluctuation with compensation transformer
- Surge protection
- Industrial-grade components
- Output cut-off to prevent overheating if fan fails
- 100% unbalanced loading capability

• Technical Parameter

Specification		15KVA	20KVA	30KVA	45KVA	50KVA	60KVA
Input	Phase	3-phase 4-wire					
	Voltage	**AC 323V-438V(±15%)/304V-457V(±20%)/285V-476V(±25%)/266V-495V(±30%) for 380V system AC 166V-250V(±20%)/156V-260V(±25%)/145V-270V(±30%) for 208V system**					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 380V±3%/AC 208V±3%					
	Capacity	12KW	16KW	24KW	36KW	40KW	48KW
	Frequency	50Hz/60Hz					
Protection	Low voltage	318±7V/174±4V					
	Over voltage	425V±7V/233V±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					
Product	Dimension(mm)	601*490*725				716*560*825	
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

Specification		80KVA	100KVA	120KVA	150KVA	200KVA	300KVA
Input	Phase	3-phase 4-wire					
	Voltage	**AC 323V-438V(±15%)/304V-457V(±20%)/285V-476V(±25%)/266V-495V(±30%) for 380V system AC 166V-250V(±20%)/156V-260V(±25%)/145V-270V(±30%) for 208V system**					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 380V±3%/AC 208V±3%					
	Capacity	64KW	80KW	100KW	120KW	160KW	240KW
	Frequency	50Hz/60Hz					
Protection	Low voltage	318±7V/174±4V					
	Over voltage	425V±7V/233V±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					
Product	Dimension(mm)	761*600*922			877*947*1132		/
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5℃ to 40℃					
	Humidity	20% to 90%					

• Product Appearance

PWR-3



15KVA/20KVA/30KVA/45KVA



50KVA/60KVA



80KVA/100KVA/120KVA



150KVA/200KVA

♦ Display



● D

PRO-3

Three Phase Servo Motor Type

1500VA-40KVA










Features:

- ♦ MCU Control
- ♦ Overload protection(on PCB)≥120%
- ♦ Multi display
- ♦ High output precision≤3%
- ♦ Industrial-grade components
- ♦ Output cut-off to prevent overheating if fan fails
- ♦ 100% unbalanced loading capability

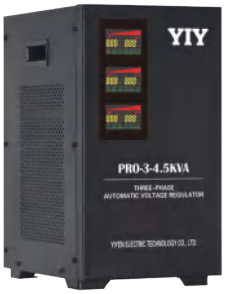
• Technical Parameter

Specification		1500VA	3000VA	4500VA	6000VA	9000VA
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
	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	
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5℃ to 40℃				
	Humidity	20% to 90%				

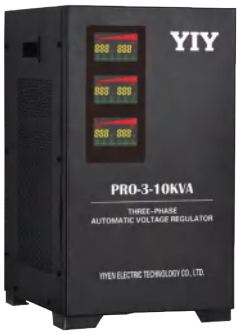
Specification		15KVA	20KVA	30KVA	36KVA
Input	Phase	3-phase 4-wire(Can be customized 3-phase 3-wire)			
	Voltage	**278V-433V**			**304V-456V**
	Frequency	50Hz/60Hz			
Output	Voltage	AC 380V ±3%			
	Capacity	12KW	16KW	24KW	28.8KW
	Frequency	50Hz/60Hz			
Protection	Low voltage	318V±7V			
	Over voltage	426V±7V			
	Time Delay	Default 5s			
	Overload/ short circuit	MCB/MCCB/MCU			
Packaging	Pcs per Carton	1			
	Shipping Wt.(kg)	/	/	/	/
	Package dimensions (mm)	280*380*690	325*420*667		430*755*1020
Efficiency	AC-AC	98%			
Acoustic	Noise level	≤50dB			
Environment	Temperature	-5℃ to 40℃			
	Humidity	20% to 90%			

• Product Appearance

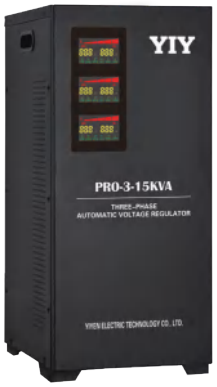
PRO-3



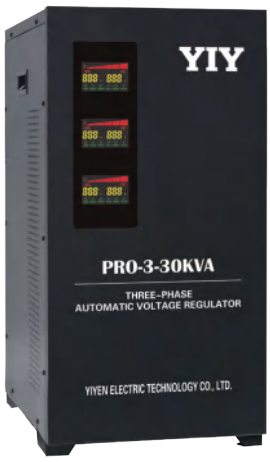
1500VA/3000VA/4500VA



6000VA/9000VA



15KVA



20KVA/30KVA/36KVA

♦ Display Options



● D



● LED display

SBW-F IP21/55

Three Phase Servo Motor Automatic Voltage Regulator

150KVA-3000KVA



The newly designed **SBW-F** Series Three-Phase Automatic Voltage Stabilizer is developed with advanced European technology and can be customized to meet different regional requirements. It ensures a stable output voltage even during external grid fluctuations or load changes, and achieves 100% unbalanced load capability. IP21 and IP55 rating for optional,both be used indoor and outdoor.

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

The SBW-F series stabilizer is widely used in industry, agriculture, transportation, telecommunications, and other fields, ensuring efficient equipment operation in various scenarios.

• Technical Parameter

Specification		150KVA	200KVA	250KVA
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%		
	Capacity	120KW	160KW	200KW
	Frequency	50Hz/60Hz		
Bypass	Current	400A	400A	630A
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		300KVA	400KVA	500KVA	600KVA	1500KVA	2000KVA	3000KVA
Input	Phase	3-phase 4-wire/3-phase 3-wire						
	Voltage	**AC 304V-456V(±20%)/285V-475V(±25%)/266V-494V(±30%)/AC 480V±16%**						
	Frequency	50Hz/60Hz						
Output	Voltage	AC 380V±3%/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	318±7V/335±7V/420±7V						
	Over voltage	425V±7V/442V±7V/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 IP21/55



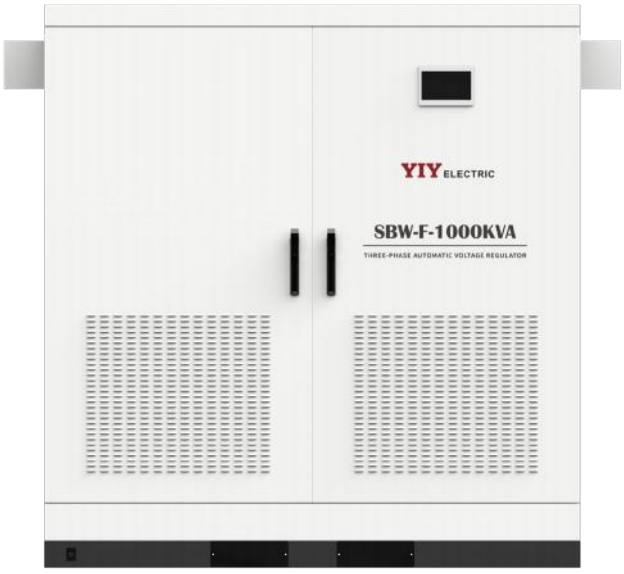
50KVA-150KVA



200KVA-300KVA



400KVA-600KVA



800KVA-1000KVA

SBW

Three Phase Servo Motor Automatic Voltage Regulator

50KVA-3000KVA



SBW Series Three-Phase Automatic Voltage Stabilizer adopts unified-phase regulation, equipped with multiprotections for overvoltage, undervoltage, overload and phase fault(optional), widely applied for industrial machines, compressors, elevators and balanced three-phase equipment.

• Technical Parameter

Specification		50KVA	60KVA	80KVA	100KVA	150KVA	200KVA	250KVA	300KVA	350KVA
Input	Phase	3-phase 3-wire/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 3-wire/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%							

AVC

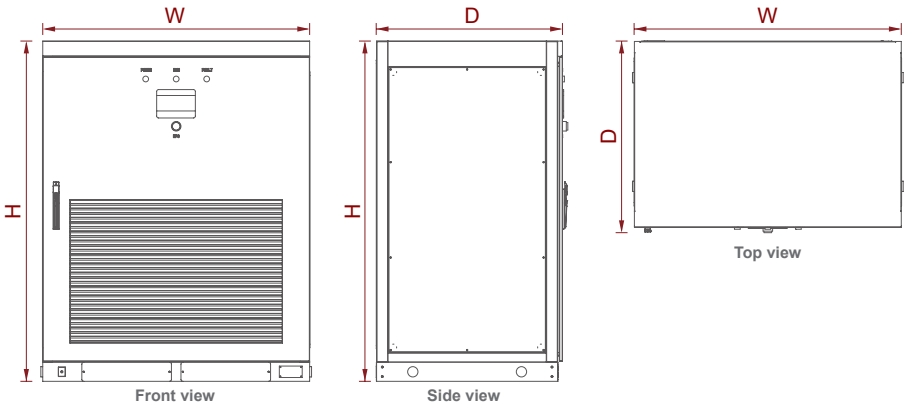
Active Voltage Conditioner

Voltage Sag Correction, Surge Correction ,Continuous Voltage Regulation and Load Voltage Compensation.



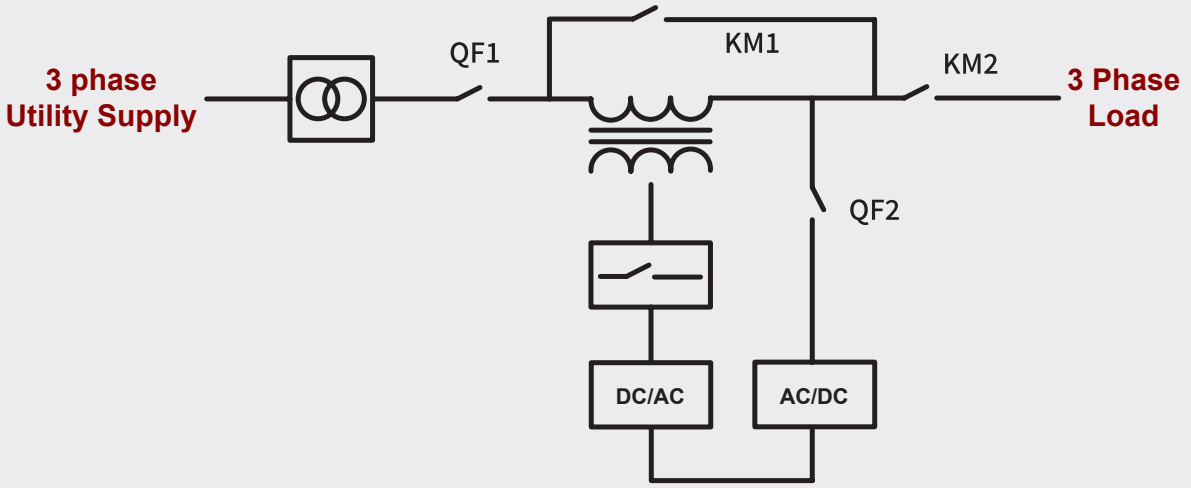
Active Voltage Conditioner (AVC) mainly consists of a rectifier, inverter, compensation transformer, monitoring system, and AC/DC power distribution. This comprehensive power quality management device, equipped with functions such as voltage fluctuation (-40%~+30%) control, reactive power compensation, harmonic filter, and three-phase imbalance compensation, improves the power quality of the grid while ensuring stable power supply to the load, thus preventing economic losses caused by voltage fluctuations.

• Product Dimensions



Model	Size(W*D*H) (mm)
AVC-3 100~150KVA	850*800*1400
AVC-3 200~250KVA	1400*975*1785
AVC-3 500KVA	1400*975*1785
AVC-3 1000KVA	2800*975*1785

• Working Principle



• Applications

● New energy



● Traffic tunnels



● Industrial production



● Continuous process



● Pharmaceutical industry



● Medical industry



• Technical Specifications

Active Voltage Conditioner		
AC parameters		
Rated capacity	10/15/20/30KVA	45KVA~2000KVA
Rated Voltage	AC 220V	AC 380/400/415V
Voltage range	AC 220±20% (-50%~+30% can be customized)	AC 380±20% (-50%~+30% can be customized)
Rated frequency	50Hz/60Hz	50Hz/60Hz
Grid structure	Single phase	3 phase 4 wire
AC overload	1.1 times	1.1 times
Output voltage accuracy	±1%	±1%
Function Selection	Voltage compensation + (reactive power compensation, harmonic compensation, reactive power compensation + harmonic compensation)	Voltage compensation + (reactive power compensation, harmonic compensation, three-phase imbalance compensation, reactive power compensation + harmonic compensation, reactive power compensation + three-phase imbalance compensation, reactive power compensation + three-phase imbalance + harmonic compensation)
Compensation voltage range	AC 220±20% (-50%~+30% can be customized)	AC 380±20% (-50%~+30% can be customized)
Transformer ratio	5:1	5:1
Harmonic compensation rate	3rd-13th order comprehensive harmonic compensation ≥95%	3rd-13th order comprehensive harmonic compensation ≥95%
Reactive Power Compensation Rate	Reactive power compensation ≥ 98%	Reactive power compensation ≥ 98%
Three-phase imbalance compensation rate	/	Three-phase imbalance compensation ⩾ 95%
Total current harmonic distortion rate	≤3%	≤3%
Output voltage harmonic distortion rate	＜ 1.5%	＜ 1.5%
Compensation response time	＜ 20ms	＜ 20ms
Transformer parameters		
Rated capacity	6KVA	12KVA~400KVA
Type	Dry type, the magnetic core is made of laminated silicon steel sheets, and the frame is grounded.	Dry type, the magnetic core is made of laminated silicon steel sheets, and the frame is grounded.
Overload	1.1x Extended Operation	1.1 times longer running time
Insulation	Insulation class H	Insulation class H
Transformation ratio	220:44	220:44
Design temperature	Temperature rise ≤90K	Temperature rise ≤90K
Implementation standards	IEC 726	IEC 726
System parameters		
Altitude	For distances less than 2000m and above 2000m, use the equipment with reduced rating according to GB/T3859.2.	For distances less than 2000m and above 2000m, use the equipment with reduced rating according to GB/T3859.2.
Ambient temperature	-10 ～ +50°C (derating above 40°C)	-10 ～ +50°C (derating above 40°C)
Relative	≤90%, no condensation on the surface	≤90%, no condensation on the surface
Humidity	at the lowest monthly temperature of 25°C	at the lowest monthly temperature of 25°C
Pollution Level	Below level III	Below level III
Noise	≤70dB	≤70dB
Protection level	IP20/IP55	IP20/IP55

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

$TDGC_2/TSGC_2$

Manual Voltage Regulator



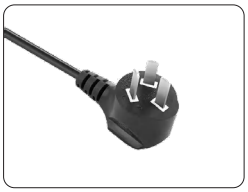
• Technical Parameter

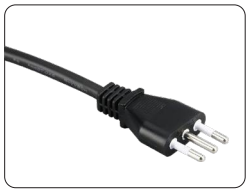
Specification & Capacity	Max output capacity KVA	Rated input voltage V	Rated output voltage V	Max output current A	Overall size (W*D*L)mm	TQY(PCI)	Package size/set (W*D*L)mm	Net weight kg	Gross werght kg	no of phase
$TSGC_2$-1.5	1.5	380V	0-430V	2	125x180x340	1	200x260x400	9.8	12	3
$TSGC_2$-3	3.0			4	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 werght 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

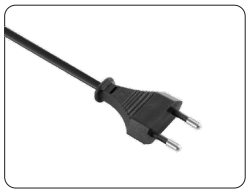

EY-09


EY-30

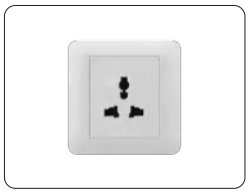

EY-20


EY-24


EY-28

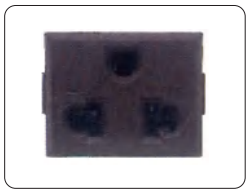

EY-29


EY-30


EYE-01


EYE-06


EYE-09


EYE-11


EYE-20


EYE-16


EYE-13


EYE-14


EYE-18

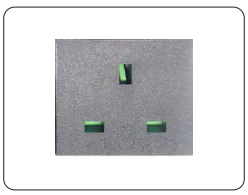

EYE-19


EYE-21


EYE-22


EYE-24


EYE-25

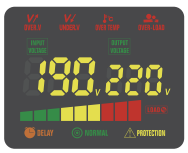

EYE-25



● A



● B



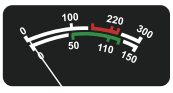
● C



● D



● LED display



● Analog display

YIY

Energy Storage System
&
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