

YIY

AWR

**SERVO TYPE / RELAY TYPE/
IGBT TYPE/ OTHERS**

Start Digital Power Supply

YIYEN HOLDING GROUP

YIYEN HOLDING GROUP is a high-tech company that focuses on researching and manufacturing power electronics technology, integrating design, research and development, manufacturing, sales and service. YIYEN is dedicated to reducing electricity costs, improving electricity efficiency, and providing core power equipment and system solutions for the energy Internet of Things. With electrochemical energy storage and energy efficiency management as its core industry, YIYEN provides energy-saving services for power systems, communication systems, financial systems, education systems, medical systems, and large industrial and mining enterprises.

Energy storage and energy efficiency management are critical to reducing carbon emissions and promoting sustainable development. YIYEN's mission is to help make energy and ecology more harmonious by providing advanced energy storage and power quality solutions that improve efficiency, reduce costs, and promote clean energy. YIYEN will always continue to devote itself to the research and development and manufacturing of power electronics technology, and be committed to delivering cutting-edge solutions helping customers meet their energy management goals while contributing to a more sustainable future for all.



300+
Staff



15+
Years Experience



30000m²+
Plant Area



100,000+ / year
Unit Shipments



50+
R&D Staff



130+
Export Countries



100+
Intellectual Property

PRODUCT CATALOG

SVC Single Phase Servo Motor Type	01
PRO Single Phase Servo Motor Type	05
TSS Wall-mounted Single Phase Servo Motor Type	09
SVC-3 Three Phase Servo Motor Type	12
PRO-3 Three Phase Servo Motor Type	15
AVR Single Phase Relay Type	18
TRS Wall-Mounted Single Phase Relay Type	22

PRODUCT CATALOGUE

UE

PR Portable Single Phase Relay Type	25
SBW / SBW-F Three Phase Servo Motor Type (Industrial)	29
AVC IGBT Type Three Phase AVR	33
CVCF Voltage and Frequency Stabilisers	37
ST Step Up & Down Transformer	39
TDGC2/TSGC2 Manual Voltage Regulator	41

SVC

Single Phase Servo Motor Type

500VA-30KVA



Input voltage range:

- ◆ 150V-250V / 176V-264V (For 220V System)
- ◆ 88V-132V (For 110V System)

Features:

- ◆ Over voltage & Under voltage protection
- ◆ Short circuit & Overload protection
- ◆ Over temperature protection
- ◆ Wide input voltage range
- ◆ Short delay & Long delay

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA	3000VA	5000VA	
Input	Phase	Single phase						
	Voltage	AC 150V-250V or 88V-132V						
	Frequency	50Hz/60Hz						
Output	Voltage	AC 220V ±3% or 110V ±3% (230V/240V or 120V/127V Optional) / customize						
	Capacity	400W	800W	1200W	1600W	2400W	4000W	
	Frequency	50Hz/60Hz						
Protection	Low voltage	184V±4V or 92V±4V						
	Over voltage	246V±4V or 123V±4V						
	Time Delay	3-6 s / 3-6 min selectable						
	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	
	Packing 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°C to 40°C						
	Humidity	20% to 90%						

Specification		8000VA	10000VA	12KVA	10000VA (cabinet)	15KVA (cabinet)	20KVA (cabinet)	30KVA (cabinet)	
Input	Phase	Single phase							
	Voltage	AC 150V-250V or 88V-132V				176V-264V			
	Frequency	50Hz/60Hz							
Output	Voltage	AC 220V ±3% or 110V ±3% (230V/240V or 120V/127V Optional)							
	Capacity	6400W	8000W	9600W	8000W	12000W	16000W	24000W	
	Frequency	50Hz/60Hz							
Protection	Low voltage	184V±4V or 92V±4V							
	Over voltage	246V±4V or 123V±4V							
	Time Delay	3-6 s / 3-6 min selectable							
	Overload/ short circuit	Fuse/MCB							
Packaging	Pcs per Carton	1							
	Shipping Wt.(kg)	23.7	25	27	34.5	54.5	79.2	100	
	Packing dimensions (mm)	460*360*290			370*330*580	446*345*630	560*380*775	660*380*775	
Efficiency	AC-AC	98%							
Acoustic	Noise level	≤50dB							
Environment	Temperature	-5°C to 40°C							
	Humidity	20% to 90%							

• Product Appearance

SVC I



500VA



1000VA/1500VA



2000VA



3000VA



5000VA



8000VA/10000VA/12KVA

SVC II



500VA



1000VA/1500VA



2000VA



3000VA



5000VA



8000VA/10000VA/12KVA

• Technical Parameter

SVC I



10000VA

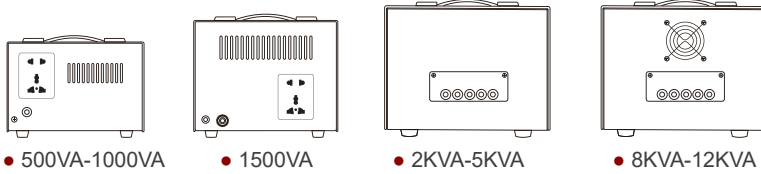


20KVA

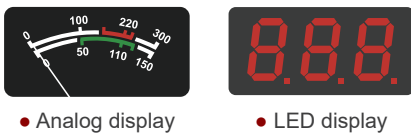


30KVA

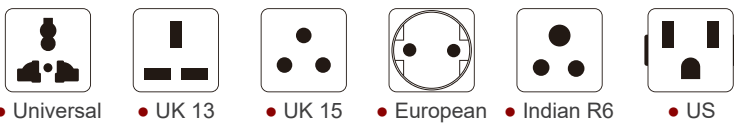
◆ Rear Panel



◆ Display Options



◆ Socket Options



* More options, please turn to page 38

PRO

Single Phase Servo Motor Type

500VA-30KVA



Input voltage range:

- ◆ 100V-250V / 150V-250V / 176V-264V (For 220V System)
- ◆ 88V-132V (For 110V System)

Features:

- ◆ MCU control
- ◆ Overload protection(on PCB) \geq 120%
- ◆ Over voltage & Under voltage protection
- ◆ Dual LED display/ Multi display
- ◆ More accurate output precision \leq 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 or 88V-132V						
	Frequency	50Hz/60Hz						
Output	Voltage	AC 220V ±3% or 110V ±3% (230V/240V or 120V/127V Optional) / customize						
	Capacity	400W	800W	1200W	1600W	2400W	4000W	
	Frequency	50Hz/60Hz						
Protection	Low voltage	184V±4V or 92V±4V						
	Over voltage	246V±4V or 123V±4V						
	Time Delay	5s / 255s selectable						
	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	
	Packing 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°C to 40°C						
	Humidity	20% to 90%						

Specification		8000VA	10000VA	12KVA	10000VA (cabinet)	15KVA (cabinet)	20KVA (cabinet)	30KVA (cabinet)	
Input	Phase	Single phase							
	Voltage	AC 150V-250V or 88V-132V				176V-264V			
	Frequency	50Hz/60Hz							
Output	Voltage	AC 220V ±3% or 110V ±3% (230V/240V or 120V/127V Optional) / customize							
	Capacity	6400W	8000W	9600W	80000W	12000W	16000W	24000W	
	Frequency	50Hz/60Hz							
Protection	Low voltage	184V±4V or 92V±4V							
	Over voltage	246V±4V or 123V±4V							
	Time Delay	5s / 255s selectable							
	Overload/ short circuit	Fuse/MCB							
Packaging	Pcs per Carton	1							
	Shipping Wt.(kg)	23.7	25	27	34.5	54.5	79.2	100	
	Packing 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°C to 40°C							
	Humidity	20% to 90%							

• Product Appearance

PRO C



500VA



1000VA/1500VA



2000VA



3000VA



5000VA



8000VA/10000VA/12KVA

PRO-E



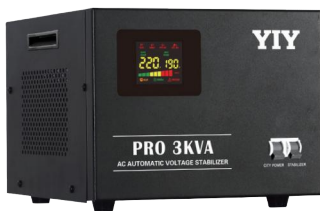
500VA



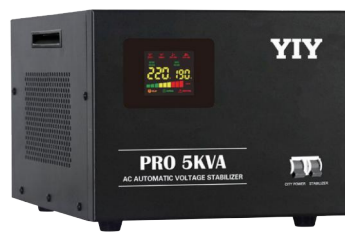
1000VA/1500VA



2000VA



3000VA



5000VA



8000VA/10000VA/12KVA

• Technical Parameter

PRO-E



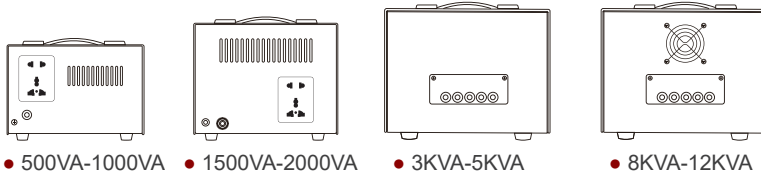
10000VA-V

15KVA

20KVA

30KVA

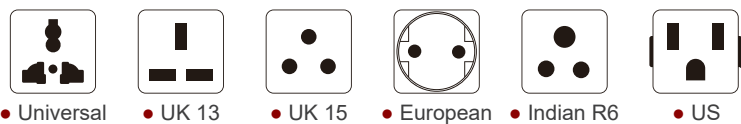
◆ Rear Panel



◆ Display Options



◆ Socket Options



* More options, please turn to page 38

TSS

Wall-mounted Single Phase Servo Motor Type

500VA-12KVA



Input voltage range:

- ◆ 100V-250V / 150V-250V (For 220V System)
- ◆ 88V-132V / 96V-144V (For 110V System)

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

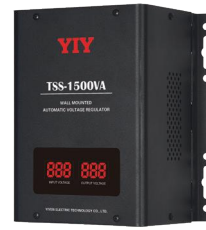
Specification		500VA	1000VA	1500VA	2000VA	3000VA
Input	Phase	Single phase				
	Voltage	AC 100V-250V or 88V-132V				
	Frequency	50Hz/60Hz				
Output	Voltage	AC 220V ±3% or 110V ±2% (230V/240V or 120V/127V Optional)				
	Capacity	400W	800W	1200W	1600W	2400W
	Frequency	50Hz/60Hz				
Protection	Low voltage	184V±4V or 92V±4V				
	Over voltage	246V±4V or 123V±4V				
	Time Delay	5s / 255s				
	Overload/ short circuit	Fuse/MCB				
Packaging	Pcs per Carton	4			2	
	Shipping Wt.(kg)	14	18	21.5	17	21
	Packing dimensions (mm)	505*415*300		430*320*270		398*315*364
Efficiency	AC-AC	98%				
Acoustic	Noise level	≤50dB				
Environment	Temperature	-5°C to 40°C				
	Humidity	20% to 90%				

Specification		5000VA	8000VA	10000VA	12KVA
Input	Phase	Single phase			
	Voltage	AC 150V-250V or 88V-132V			
	Frequency	50Hz/60Hz			
Output	Voltage	AC 220V ±2% or 110V ±2% (230V/240V or 120V/127V Optional)			
	Capacity	4000W	6400W	8000W	9600W
	Frequency	50Hz/60Hz			
Protection	Low voltage	184V±4V or 92V±4V			
	Over voltage	246V±4V or 123V±4V			
	Time Delay	5s / 255s			
	Overload/ short circuit	Fuse/MCB			
Packaging	Pcs per Carton	2		1	
	Shipping Wt.(kg)	24	19	22.1	25.1
	Packing 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%			

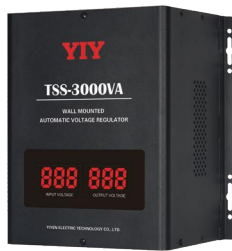
• Product Appearance



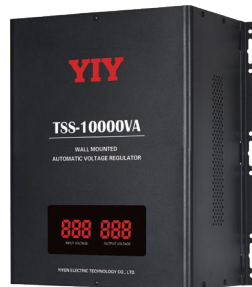
500VA/1000VA



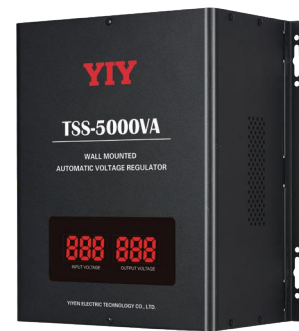
1500VA/1000VA



3000VA

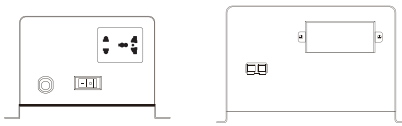


5000VA



8000VA/10000VA/12KVA

◆ Bottom Panel



• 500VA-2000VA

• 3000VA-12KVA

◆ Display Options



• A

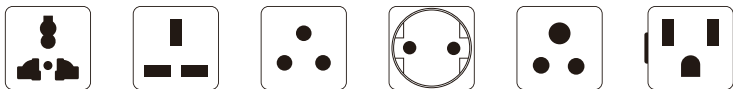
• B

• 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

SVC-3(TNS)

Three Phase Servo Motor Type

1500VA-100KVA



Input voltage range:

- ◆ 304V-456V / 278V-433V (For 380V System)
- ◆ 152V-228V / 166V-249V / 173V-263V (For 220V System)

Features:

- ◆ LED/Analog displays are optional
- ◆ Isolated manual bypass switch
- ◆ Industrial strength components
- ◆ Three phase compensation servo motor technology
- ◆ 100% unbalanced loading capability between three phases
- ◆ Wide AC input voltage range
- ◆ Full protection circuit

• Technical Parameter

Specification		1.5KVA	3KVA	4.5KVA	6KVA	9KVA	15KVA
Input	Phase	3-phase 4-wire(Can be customized 3-phase 3-wire)					
	Voltage	278V-433V or 152V-228V					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 220V ±3% or 110V ±3% (230V/240V or 120V/127V Optional) / customize					
	Capacity	1200W	2400W	3600W	4800W	7200W	12000W
	Frequency	50Hz/60Hz					
Protection	Low voltage	318V±7V or 159V±7V					
	Over voltage	426V±7V or 213V±7V					
	Time Delay	Default 3-6s					
	Overload/ short circuit	MCB/MCCB					
Packaging	Pcs per Carton	1					
	Shipping Wt.(kg)	/	/	/	/	/	/
	Packing dimensions (mm)	305*405*233			315*365*785		400*370*710
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5°C to 40°C					
	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	AC 304V-456V / 278V-433V or 152V-228V / 166V-249V / 173V-263V			304V-456V			
	Frequency	50Hz/60Hz						
Output	Voltage	AC 380V ±3% or 190V ±3% (208V/220V Optional)						
	Capacity	16000W	24000W	36000W	40000W	48000W	60000W	80000W
	Frequency	50Hz/60Hz						
Protection	Low voltage	318V±7V or 159V±7V						
	Over voltage	426V±7V or 213V±7V						
	Time Delay	Default 3-6s						
	Overload/ short circuit	MCB/MCCB						
Packaging	Pcs per Carton	1						
	Shipping Wt.(kg)	/	/	/	/	/	/	/
	Packing dimensions (mm)	460*410*855			625*605*1015			800*740*1030
Efficiency	AC-AC	98%						
Acoustic	Noise level	≤50dB						
Environment	Temperature	-5°C to 40°C						
	Humidity	20% to 90%						

• Product Appearance

SVC-3



6KVA/9KVA



15KVA



20KVA/30KVA



45KVA/50KVA/60KVA/75KVA



100KVA

◆ Display Options

8.8.8

• LED display • Analog display



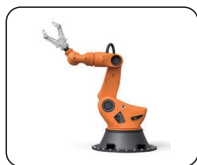
Internal Structure



PRO-3

Three Phase Servo Motor Type

1500VA-100KVA



Input voltage range:

- ◆ 304V-456V / 278V-433V (For 380V System)
- ◆ 152V-228V / 166V-249V / 173V-263V (For 220V System)

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 between three phases
- ◆ Overload protection (on PCB) $\geq 120\%$
- ◆ Colorful LED display

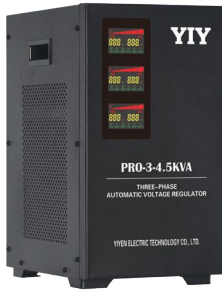
• Technical Parameter

Specification		1.5KVA	3KVA	4.5KVA	6KVA	9KVA	15KVA
Input	Phase	3-phase 4-wire(Can be customized 3-phase 3-wire)					
	Voltage	278V-433V or 152V-228V					
	Frequency	50Hz/60Hz					
Output	Voltage	AC 380V ±3% or 190V ±2% (208V/220V Optional) / customize					
	Capacity	1200W	2400W	3600W	4800W	7200W	12000W
	Frequency	50Hz/60Hz					
Protection	Low voltage	318V±7V or 159V±7V					
	Over voltage	426V±7V or 213V±7V					
	Time Delay	Default 5s					
	Overload/ short circuit	MCB/MCCB/MCU					
Packaging	Pcs per Carton	1					
	Shipping Wt.(kg)	/	/	/	/	/	/
	Packing dimensions (mm)	230*330*418			280*380*645		280*380*690
Efficiency	AC-AC	98%					
Acoustic	Noise level	≤50dB					
Environment	Temperature	-5°C to 40°C					
	Humidity	20% to 90%					

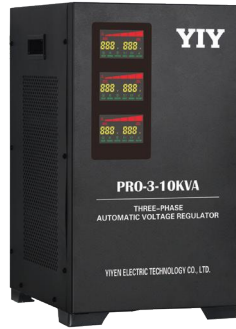
Specification		20KVA	30KVA	45KVA	50KVA	60KVA	75KVA	100KVA
Input	Phase	3-phase 4-wire(Can be customized 3-phase 3-wire)						
	Voltage	278V-433V or 152V-228V			304V-456V			
	Frequency	50Hz/60Hz						
Output	Voltage	AC 380V ±2% or 190V ±3% (208V/220V Optional)						
	Capacity	16000W	24000W	36000W	40000W	48000W	60000W	80000W
	Frequency	50Hz/60Hz						
Protection	Low voltage	318V±7V or 159V±7V						
	Over voltage	426V±7V or 213V±7V						
	Time Delay	Default 5s						
	Overload/ short circuit	MCB/MCCB/MCU						
Packaging	Pcs per Carton	1						
	Shipping Wt.(kg)	/	/	/	/	/	/	/
	Packing dimensions (mm)	325*420*667			430*755*1020			800*740*1030
Efficiency	AC-AC	98%						
Acoustic	Noise level	≤50dB						
Environment	Temperature	-5°C to 40°C						
	Humidity	20% to 90%						

• Product Appearance

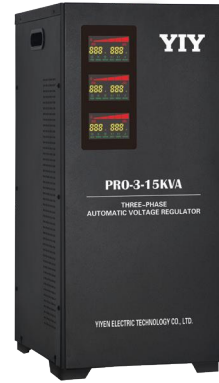
PRO-3



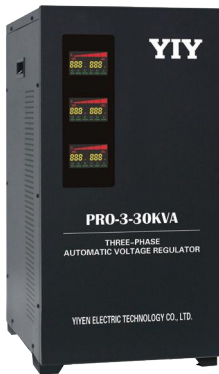
1.5KVA/3KVA/4KVA



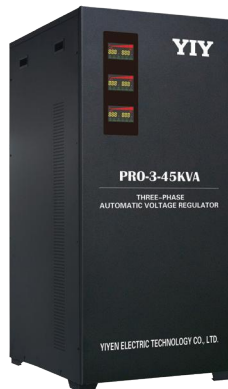
6KVA/9KVA



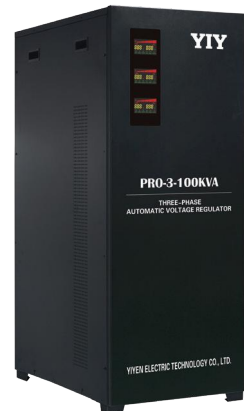
15KVA



3000VA



5000VA

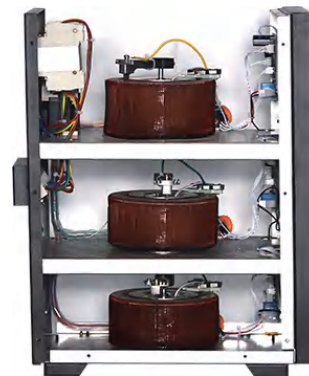


8000VA/10000VA/12KVA

◆ Display Options

- LED display
- D

Internal Structure



AVR

Single Phase Relay Type

500VA-20KVA



Input voltage range:

- ◆ 90V~270V / 125V~270V / 140V~260V (For 220V System)
- ◆ 88V-132V / 96V-144V (For 110V System)

Features:

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

• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA	3000VA
Input	Phase	Single phase				
	Voltage	AC 90V~270V/125V~270V/140V~260V or 88V-132V				
	Frequency	50Hz/60Hz				
Output	Response	60ms				
	Voltage time	AC 220V ±8% or 110V ±8% (230V/240V or 120V/127V Optional)				
	Capacity	400W	800W	1200W	1600W	2400W
	Frequency	50Hz/60Hz				
Protection	Low voltage	184V±4V or 92V±4V				
	Over voltage	246V±4V or 123V±4V				
	Time Delay	5s / 255s				
	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
	Packing 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	10000VA	12KVA	15KVA (cabinet)	20KVA (cabinet)
Input	Phase	Single phase					
	Voltage	AC 90V~270V/125V~270V/140V~260V or 88V-132V			AC 90V~270V/125V~270V/140V~260V		
	Frequency	50Hz/60Hz					
Output	Response	60ms					
	Voltage time	AC 220V ±8% or 110V ±8% (230V/240V or 120V/127V Optional)			AC 220V ±8% (230V/240VOptional)		
	Capacity	4000W	5600W	8000W	9600W	12000W	16000W
	Frequency	50Hz/60Hz					
Protection	Low voltage	184V±4V or 92V±4V					
	Over voltage	246V±4V or 123V±4V					
	Time Delay	5s / 255s					
	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
	Packing 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/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



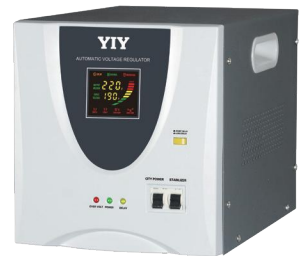
500VA/1000VA



1500VA/2000VA



3000VA/5000VA



8000VA/10000VA/
12000VA

AVR F

*Case color can be customized



500VA



1000VA/1500VA



3000VA/5000VA



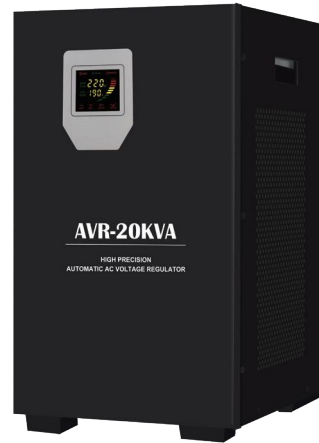
8000VA/10000VA/
12000VA

• Product Appearance

AVR-Cabinet

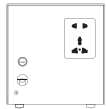


15KVA

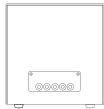


20KVA

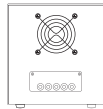
◆ Bottom Panel



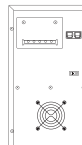
• 500VA-2000VA



• 3000VA



• 5KVA-12KVA



• 5KVA-12KVA

◆ 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 38

TRS

Wall Mounted Single Phase Relay Type

500VA-20KVA



Input voltage range:

- ◆ 90V~270V / 125V~270V / 140V~260V (For 220V System)
- ◆ 88V-132V / 96V-144V (For 110V System)

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
- ◆ Dual Over load Protection (Fuse/MCB+MCU)
- ◆ Super fast response time $\leq 60\text{ms}$

• Technical Parameter

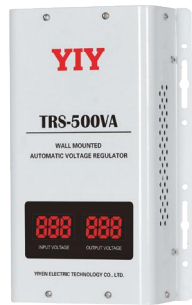
Specification		500VA	1000VA	1500VA	2000VA	3000VA
Input	Phase	Single phase				
	Voltage	AC 90V~270V/125V~270V/140V~260V or 88V-132V				
	Frequency	50Hz/60Hz				
Output	Response	60ms				
	Voltage time	AC 220V ±8% or 110V ±8% (230V/240V or 120V/127V Optional)				
	Capacity	400W	800W	1200W	1600W	2400W
	Frequency	50Hz/60Hz				
Protection	Low voltage	184V±4V or 92V±4V				
	Over voltage	246V±4V or 123V±4V				
	Time Delay	5s / 255s				
	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
	Packing 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	10000VA	12KVA	15KVA (cabinet)	20KVA (cabinet)
Input	Phase	Single phase					
	Voltage	AC 90V~270V/125V~270V/140V~260V or 88V-132V			AC 90V~270V/125V~270V/140V~260V		
	Frequency	50Hz/60Hz					
Output	Response	60ms					
	Voltage time	AC 220V ±8% or 110V ±8% (230V/240V or 120V/127V Optional)			AC 220V ±8% (230V/240V Optional)		
	Capacity	4000W	6400W	8000W	9600W	12000W	16000W
	Frequency	50Hz/60Hz					
Protection	Low voltage	184V±4V or 92V±4V					
	Over voltage	246V±4V or 123V±4V					
	Time Delay	5s / 255s					
	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
	Packing 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%					

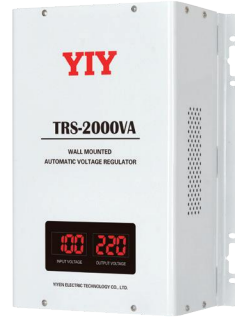
• Product Appearance

AVR B

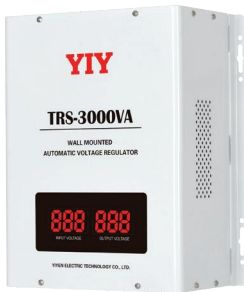
*Case color can be customized



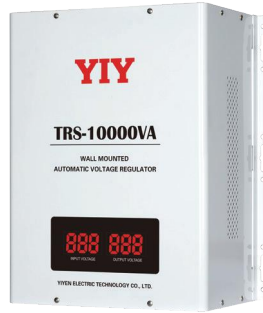
500VA/1000VA



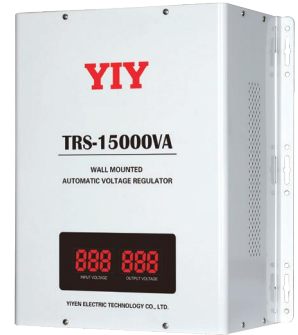
1500VA/2000VA



3000VA/5000VA



8000VA/10KVA/12KVA



15KVA/20KVA

◆ Bottom Panel



• 500VA-2000VA

• 3000VA-12KVA

◆ Display Options



• A

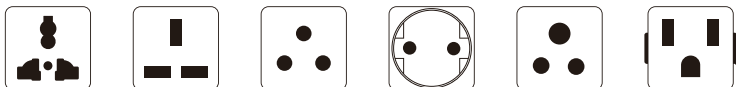
• B

• 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

PR

Portable Single Phase Relay Type

500VA-2000VA



Input voltage range:

- ◆ 125V~270V (For 220V System)
- ◆ 88V-132V (For 110V System)

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)

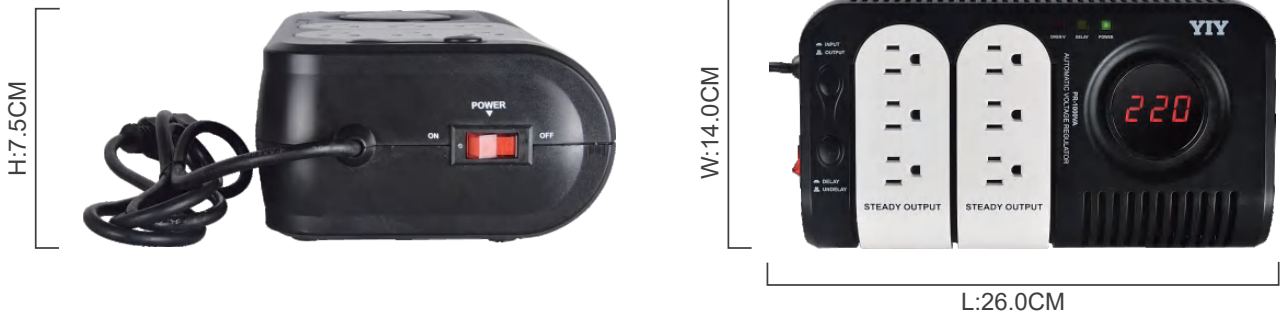
• Technical Parameter

Specification		500VA	1000VA	1500VA	2000VA
Input	Phase	Single phase			
	Voltage	AC 125V-270V or 88V-132V			
	Frequency	50Hz/60Hz			
Output	Voltage	AC 220V ±8% or 110V ±8% (120V/127V Optional)			
	Capacity	250W	500W	750W	1000W
	Frequency	50Hz/60Hz			
Protection	Low voltage	184V±5V or 92V±5V			
	Over voltage	246V±5V or 123V±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
	Packing dimensions (mm)	528*320*360			
Efficiency	AC-AC	95%			
Acoustic	Noise level	≤50dB			
Environment	Temperature	-5°C to 40°C			
	Humidity	20% to 90%			



*Plugs and sockets can be customized to other specifications.

• Product Appearance



• Product Dominance

For LED Display Model

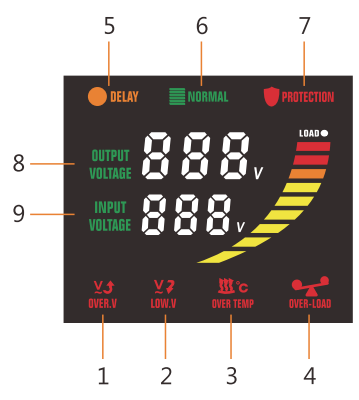
Normal Mode	Yellow LED	Green LED	Green LED
Short Delay Mode	Flashing 1s		
Long Delay Mode	Flashing 5s		
Normal		Lighting	
Under Low Loss Point	Flashing	Lighting	
Over High Loss Point		Lighting	Lighting
Over Temp		Lighting	Flashing 2s
Load ≥ 110%		Lighting	Flashing 1s
Load ≥ 120%	Flashing	Lighting	Lighting
Load ≥ 150%	Flashing	Lighting	Lighting
Under Voltage Protection	Flashing 2s	Flashing 2s	Flashing 2s
Over Voltage Protection	Flashing 1s	Flashing 1s	Flashing 1s

Delay Display	Count down from "5" or "255"
High input Display	Just Display "H"
Low input Display	Just Display "L"
Over Temp Display	Just Display "O" "H" "F"
High Output Display	Just Display "O" "H" "V"
Low Output Display	Just Display "O" "L" "V"
120% > Load > 110% Display	Just Display "O" & "L"
150% Load Display	Just Display "O" "L" "F"
Start Display	Just Display "HELLO", from right to left
Output Display	Just Display "out" first, then "Number"
Input Display	Just Display "in" first, then "Number"
Short Delay Mode	Sounding every 1Secs
Long Delay Mode	Sounding every 5Secs
Overload Mode	Sounding every 0.5Secs
Over/Under Voltage Mode	Sounding every 3Secs
Under Frequency Mode	Sounding every 2Secs
Over Temperature	Sounding every 4Secs
Fault Mode	Sounding Continuous

• Product Appearance



*Plugs and sockets can be customized to other specifications.



1.O/P Voltage Above high limit	6. Normal
2.O/P Voltage Under low limit	7. Protection (Fault Mode)
3.Over Temperature	8.Output Voltage
4. Overload	9.Protection (Fault Mode)
5. Output Voltage	10.Fault Mode
Short Delay Mode	Sounding every 1 Secs
Long Delay Mode	Sounding every 5 Secs
Overload Mode	Sounding every 0.5 Secs
Over/Under Voltage Mode	Sounding every 3 Secs
Under Frequency Mode	Sounding every 2 Secs
Over Temperature	Sounding every 4 Secs
Fault Mode	Sounding Continuous

SBW/SBW-F

Three Phase Servo Motor Automatic Voltage Regulator

50KVA-3000KVA



SBW 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.

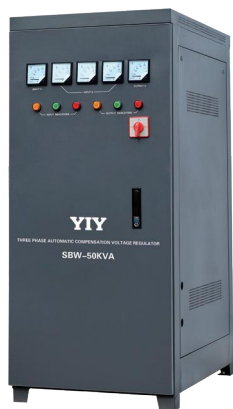
• Technical Parameter

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	280W
	Frequency	50Hz/60Hz								
Protection	Low voltage	318V ±7V								
	Over voltage	426V±7V								
	Time Delay	Default 5s								
	Overload/ short circuit	MCB/MCCB								
Packaging	Pcs per Carton	1								
	Net Wt.(kg)	/	210	/	260	/	430	/	/	/
	Shipping Wt.(kg)	/	220	/	280	/	450	/	/	/
	Packing 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°C to +45°C								
	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	1600KW
	Frequency	50Hz/60Hz							
Protection	Low voltage	318V ±7V							
	Over voltage	426V±7V							
	Time Delay	3-6s/3-6 min Selectable							
	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	/	/	/
	Packing 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°C to +45°C							
	Humidity	20% to 90%							

• Product Appearance

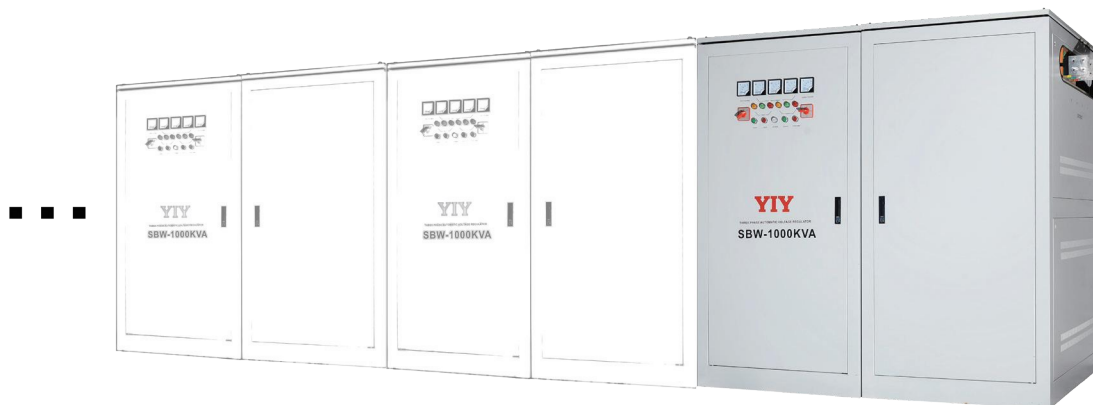
SBW



50KVA~300KVA



350KVA~600KVA

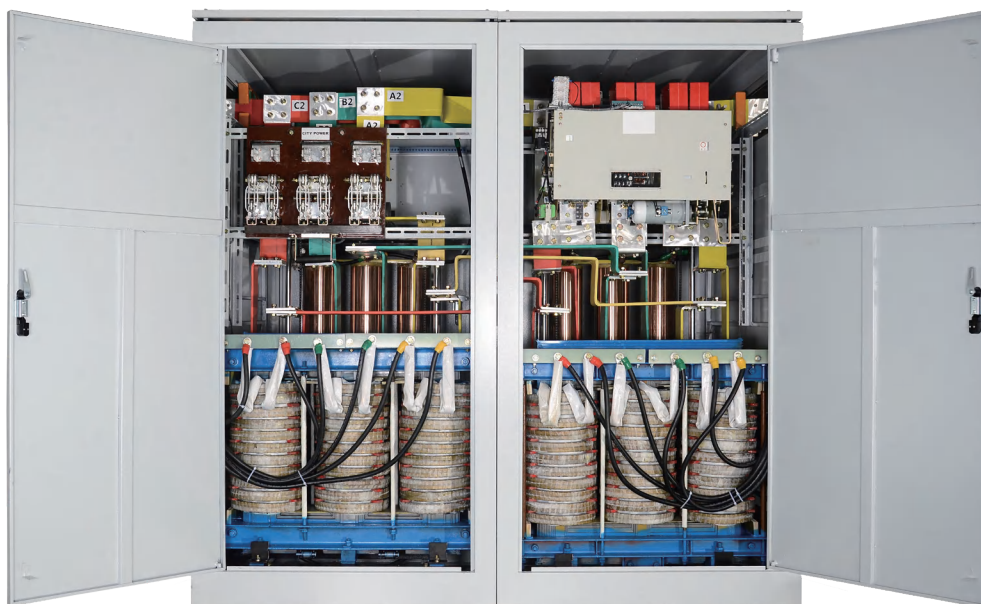


800KVA~3000VA

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

SBW-F



• Internal Structure

*Different specifications have different layouts

AVC

IGBT Type Three Phase AVR

Active Voltage Conditioner



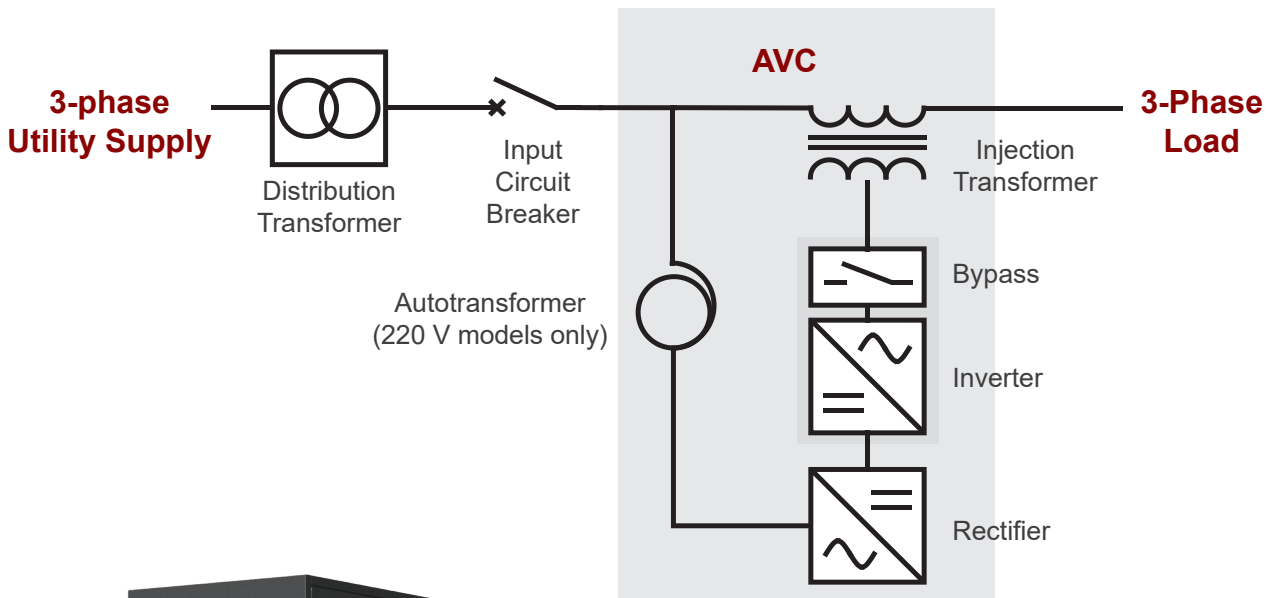
AVC is an inverter based system that protects sensitive industrial and commercial loads from voltage disturbances. Providing fast, accurate voltage sag and surge correction as well as continuous voltage regulation and load voltage compensation. AVC has been optimally designed to provide equipment immunity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

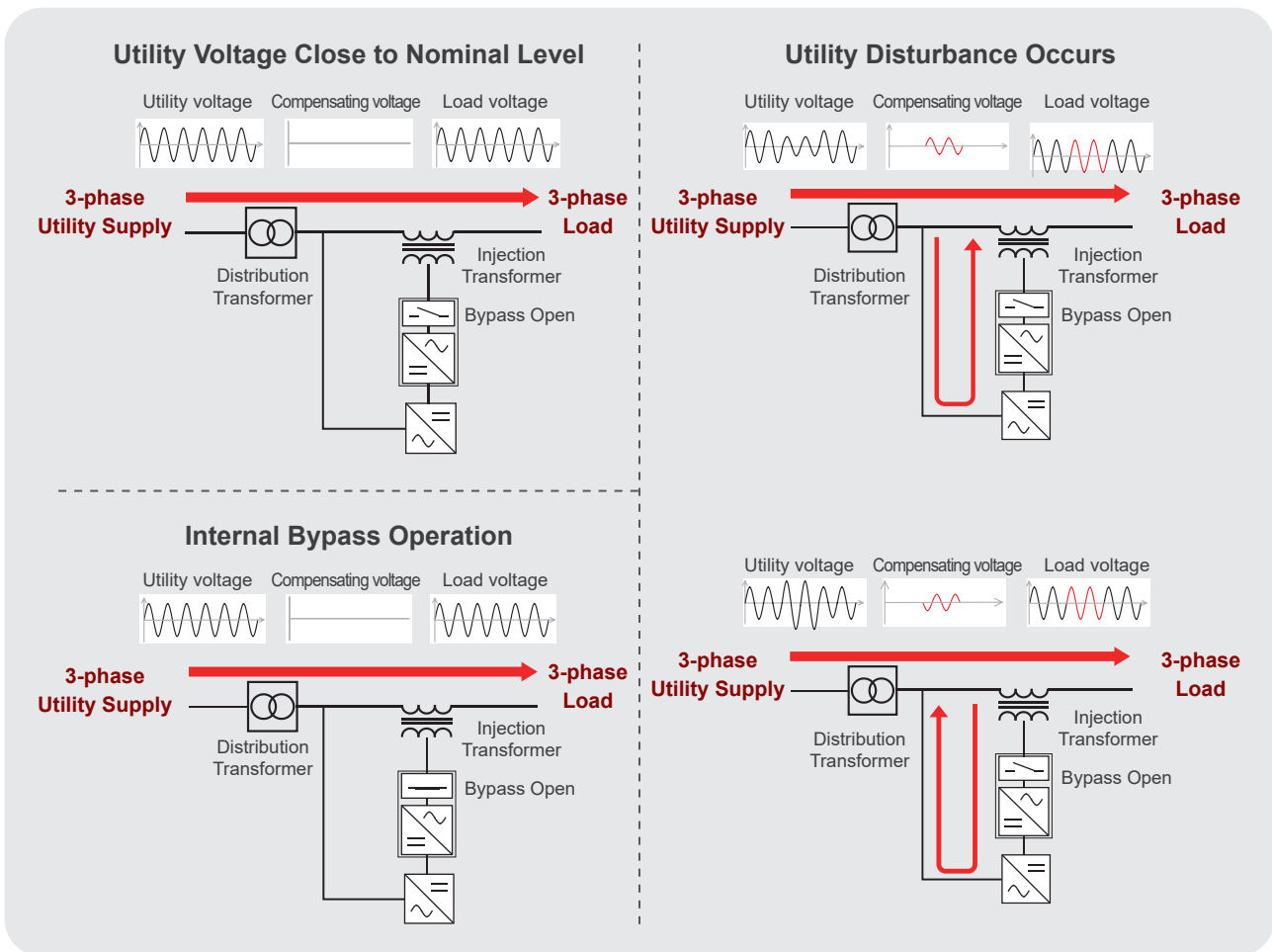


• Technical Parameter

Item	Specification	
Power Capacity	Single Phase	10KVA-1800KVA
	Three Phase	30KVA-3600KVA
Utility Input	Power System	Three Phase 380V+N(3 Phases 4 Wires) Center ground referenced (TN-S)
	Range	220V-application range 176-264V 380V-application range 304-456V
	Max Supply Voltage	130%
	Frequency	50Hz/60Hz \pm 5Hz
	Outage-Control Ride Through	10ms
	Harmonics	THDv<3%
Output	Voltage	To match nominal input voltage
	Regulation Mode	contactless
	Equivalent 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%
	Overload Capacity from 100% supply Voltage	150% for 21s,once every 500s
Performance	Efficiency	Typically > 95%
	Sag Correction Response	Initial <250ps Complete <1/2 cycle
	Voltage Regulation Accuracy	<+0.5% typical, \pm 2% max
	Sag Correction Accuracy	\pm 4%
	Continuous Regulation Range	\pm 10%
	Sag correction performance Three phase sags Single phase	60% to 100% for 30s / 50% to 90% for 10s 40% to 100% for 10s
Internal Bypass	Capacity	100% of model rating (Kva)
	Maximum Overload Capacity (in bypass)	125% for 10 minutes / 150% for 1 minutes 500% for 1 s / 2000% for 200 ms
	Transfer Time	To Bypass < 0.5 ms / To Bypass < 250 ms
	Equivalent Series Impedance	Bypass < 2.5% typical
Injection Transformer	Transformer Type	Dry
	Insulation	IEC 60085 Thermal class 200
	Frequency	50Hz / 60Hz
	Vector Group	Diii (delta + 3 independent windings)
Protection	Input over/low voltage protection/output over/low voltage protection,input over current protection,TX over heat protection,output over load protection etc.	Internal
Display	7 inch Touch Screen	Parameter control, power info,display,fault log, history curve line, etc.
Environmental	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	
	IP Grade	IP20



Operational Detail



Applications

Electronics industry



Continuous process



Food and beverage



Pharmaceutical



Automotive



Medical



CVCF

IGBT Type Single Phase AVR

Voltage and Frequency Stabilisers



Input voltage range:

- ◆ 100-270VAC, 1Phase, 2Wire, +Earth

Input frequency range:

- ◆ 35-70Hz

Features:

- ◆ Correction time 1-1.5 cycles
- ◆ Output Voltage Regulation 210V-250V
- ◆ Output accuracy +/-1%
- ◆ Output wave form distortion THD<3
- ◆ Effect of Power factor PF>0.99
- ◆ Multiple protection functions

• Technical Parameter

Parameters	Power Rating		5KVA	10KVA	
Input Voltage	Nominal voltage Rating	V	230VAC 1Phase, 2Wire,+Earth		
	Voltage Range	V	100-270VAC		
	Frequency	Hz	Nominal 50/60Hz Range 35-70Hz		
Output Voltage	Voltage	V	220V/230V/240V ±1%		
	Correction time		1-1.5 cycles		
	Voltage Regulation	%	±1		
	Dynamic Regulation	%	±5		
	Output Voltage Regulation in Relaxed Input Voltage range	%	210V-250V +/-1%		
	Output wave form distortion	%	THD<3		
	Output frequency	Hz	50/60Hz		
	Effect of Power factor		PF>0.99		
Protection	Automatic bypass		Yes		
	Manual bypass		Yes		
	Input Under Voltage	V	95±1%		
	Input Over Voltage	V	280±1%		
	Output Under Voltage	V	184V/@220V,192V/@230V,201V/@240V		
	Output Over Voltage	V	246V/@220V,250V/@230V,260V/@240V		
	Frequency out of Range	Hz	42<& <67		
	Over-temperature	°C	Module: 80°C Protection/Recovery at 65°C		
	Output Overload		%	110> & < 120-120S,(5 times) 120> & < 150-60S (5 times)	
			%	150> & < 200-20S,(5 times)	
		%	>200-immediately Trip		
Display/Indication	Display mode		LCD/LED		
	Input & Output Under Voltage		The fault information is display on the LCD/LED		
	Input & Output Over Voltage				
	Over-temperature				
	Overload				
	Communication		RS485		
Overall	Efficiency		Better Than 95%		
	Cooling method		Forced cooling		
	Ingress Protection		IP20		
	Temperature		0-45°C		
	Humidity	%	0-95 (RH-Non Condensing)		
	Noise	db	<60		
	Dimension	mm			
	Weight	Kg			

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

Output frequency range:

- ◆ 110V & 220V or customize

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 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	



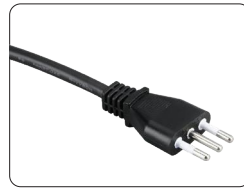
EY-01



EY-02



EY-08



EY-09



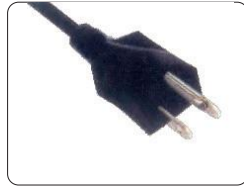
EY-30



EY-20



EY-24



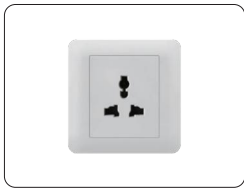
EY-28



EY-29



EY-30



EYE-01



EYE-06



EYE-09



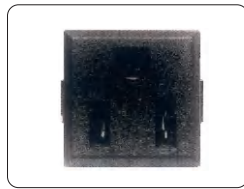
EYE-11



EYE-20



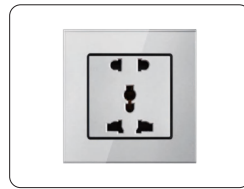
EYE-16



EYE-13



EYE-14



EYE-18



EYE-19



EYE-21



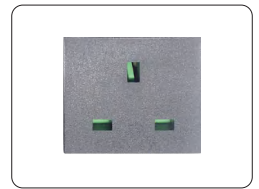
EYE-22



EYE-24



EYE-25



EYE-25



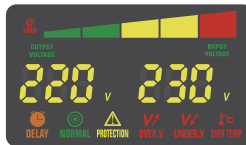
• A



• B



• C



• D



• LED display



• Analog display



**Energy Storage System
And Power Quality System Provider**

YIYEN HOLDING GROUP CO.,LTD

Tel: +86-577-27772199 27772139

Email: yiyen@yiyen.com

Website: www.yiyen.com

WENZHOU YIYEN SUPPLY CHAIN MANAGEMENT CO.,LTD

Add: Rm.1301.Building 3.Headquarters Economic Park .No.6688 Xuyang Road.
Yueqing City. 325600.Zhejiang

LISHUI YIYEN TECHNOLOGY CO.,LTD

Add:No.77,Xiang Long Road,Lian Du Zone,Lishui City,Zhejiang Province, China