

# TCR SERIES THREE-PHASE HIGH- POWER REGULATOR



Generalize:

The TCR series of three-phase fully automatic compensating power regulators are designed to stabilize AC voltage by introducing Western European cash technology. When the external power supply network voltage fluctuates or the load changes cause voltage fluctuations, it can automatically maintain the output voltage. Stabilize. Compared with other types of voltage stabilizers, this series of products has the advantages of large capacity, high efficiency, no waveform distortion, and stable voltage adjustment. It is suitable for a wide range of loads, can withstand instantaneous overload, and can work continuously for a long time. Manual/automatic switching at will, with Overvoltage, overcurrent, phase loss, phase sequence protection and automatic mechanical failure protection, as well as the advantages of small size, light weight, convenient use and installation, and reliable operation.

## Features:

- Large LCD screen display  
Output voltage and stabilizing accuracy can be adjusted.
- Flexible selection of manual and automatic bypass.
- Wide input voltage range
- The voltage of each phase can be adjusted separately
- Automatic recovery function when mains restored.
- Remote detection function
- Fault alarm display.
- Efficient, high performance and stable.



TCR-1500KVA



TCR-500KVA



TCR-300KVA



TCR-100KVA



# TCR



## Application:

The product is widely used as a part of the large electromechanical equipment in industry, transportation, post and telecommunication, national defense, railway and scientific research, which require the electrical equipment of high precision and stable voltage.

## Technical Data:

Specification		TCR-80KVA	TCR-100KVA	TCR-150KVA	TCR-200KVA	TCR-250KVA	TCR-300KVA	TCR-400VA
Input	Phase	Three phase						
	Voltage	304V-456V						
	Frequency	50Hz / 60Hz						
Output	Voltage accuracy	380V (1-5%V, Can be set, the factory default is 2%)						
	Frequency	50Hz / 60Hz						
Protection	Low Volt.	318V±7V						
	Over Volt.	426V±7V						
	ByPass	Yes (AUTO/MANUAL OPTIONAL)						
	Protective function	With overvoltage, undervoltage, overcurrent, short circuit, phase sequence protection and other functions ;						
Efficiency	AC-AC	98%						
Noise	Noise Level	≤50dB						
Environmental	Temperature	-5°C~45°C Degree						
	Humidity	15% to 90%						
Parameter Information	Load work	80% continuous load						
	Protection degree	standard IP21 (outdoor Customizable IP rating)						
	Type of cooling	Fan cooling						
	Total Harmonic Distortion	No additional waveform distortion						
	Insulation class	Class B						
	Insulation withstand voltage	2500VAC/min (No breakdown)						
	Altitude	<1500M						
	Output type	Unified output adjustment, output adjustment for each phase						
	Self-starting function	When the power fails and then resumes, it will automatically start, no need to manually						
	Responds Time to voltage variation	The response time is 10 ms, and the adjustment speed is 15V/s						
	Accessories	Random accessories: 1 voltage stabilizer main board, 1 voltage stabilizer display screen, 2 cooling fans, 2 intermediate relays, 1 power supply transformer,						
	Install	No severe vibration or turbulence; no gas, vapor, chemically deposited dust, dirt and other explosive and corrosive media that seriously affect the insulation of the voltage stabilizer;						
Packaging	Shipping Wt.(KG)	268KG	355KG	520KG	780KG	960KG	1160KG	1460KG
	Dimensions (D*W*H mm)	800*520*1200	800*520*1200	1200*800*1700	1200*800*1700	1350*1100*1700	1350*1100*1700	1350*1100*1700

# TCR



## Technical Data:

Specification		TCR-500KVA	TCR-600KVA	TCR-800KVA	TCR-1000KVA	TCR-1500KVA	TCR-2000KVA
Input	Phase	Three phase					
	Voltage	304V-456V					
	Frequency	50Hz / 60Hz					
Output	Voltage accuracy	380V (1-5%V, Can be set, the factory default is 2%)					
	Frequency	50Hz / 60Hz					
Protection	Low Volt.	318V±7V					
	Over Volt.	426V±7V					
	ByPass	Yes (AUTO/MANUAL OPTIONAL)					
	Protective function	With overvoltage, undervoltage, overcurrent, short circuit, phase sequence protection and other functions ;					
Efficiency	AC-AC	98%					
Noise	Noise Level	≤50dB					
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	Responds Time to voltage variation	The response time is 10 ms, and the adjustment speed is 15V/s					
	Accessories	Random accessories: 1 voltage stabilizer main board, 1 voltage stabilizer display screen, 2 cooling fans, 2 intermediate relays, 1 power supply transformer,					
	Install	No severe vibration or turbulence; no gas, vapor, chemically deposited dust, dirt and other explosive and corrosive media that seriously affect the insulation of the voltage stabilizer;					
Packaging	Shipping Wt.(KG)	1590KG	1890KG	2100KG	2430KG	3890KG	4360KG
	Dimensions (D*W*H mm)	1350*1100*1700	1450*1200*1700	1450*1200*1700	1600*1450*1900	2000*1800*2000	2000*1800*2000