



Static Voltage Stabilizer

เครื่องควบคุมแรงดันไฟฟ้าอัตโนมัติ



AVR-SM Series

Features

- User-friendly HMI, Large-Screen LCD Display With all Parameters
- Maintenance-free, No Mechanical Error and No Wear of Carbon Brush
- Independent Phase Regulation
- Fastest Regulator : Adjust the voltage to the Output Voltage rating of 40ms
- Auto bypass
- Completed Protections
- Capable of Overload, Suitable for Resistive, Capacitive, Inductive and Mixed loads

Application

- Military research & Defense weapons
- Laser cutting & Punching machinery
- CNC machinery
- Electronics & Medical equipment
- Lab instrument
- Medical monitoring System
- Process control system
- Elevator
- IT & OA equipment
- Auto testing equipment
- Safe guard system
- Production line
- SMT machinery
- TV & Radio broadcasting stations
- Video & Audio
- CAD / CAM
- Generator
- Computer & Computer peripherals



AVR-SM Series Static Voltage Stabilizer

Specification :

MODEL :	AVR-SM
	10 ~ 2500
	KVA
Single Phase / Three Phase	
INPUT	
Working Principle	Silicon Controlled Rectifier (SCR), Full Automatic
Input Voltage	220/380V, 230/400V, 240/415V System, Other Voltage System Can be Customized)
Input Range	±15% (±20% ~ ±50% Can be Customized)
Input Frequency	50/60Hz
OUTPUT	
Output Voltage	220/380V, 230/400V, 240/415V System, Other Voltage System Can be Customized)
Output Accuracy	Selectable : ±0.5% to ±2%
Waveform Distortion	Nil
Power Factor	0.8 -1
Efficiency	≥98% (Full load)
Overload Capacity	150% Over load 10secs
Response Time	40msec
FEATURES	
Insulation Class of Transformer	H Class
Method of Voltage Regulation	Three Phase Independent Regulation
Indicators	Voltage, Current, Power, Parameters Setting
Cooling	Natural / forced air
Protection Level	IP21(indoor), IP54(outdoor) on Request
Electrical Safety	CE
Temperature	-20°C to +50 °C
Altitude	<1000m
Relative Humidity	<90%
Noise	<45dB
Protection	Malfunction protection, Short-circuit protection , Lack of phase protection, Wrong sequence protection, Over voltage / Under voltage protection, Overload protection, Safe start, Auto bypass, Indicating alarms, Security password, RS232 / 485 interface Optional : Isolation transformer, Surge protector (SPD), Manual bypass

PHYSICAL

MODEL	DIMENSION (WxDxH mm)	MODEL	DIMENSION (WxDxH mm)	MODEL	DIMENSION (WxDxH mm)
AVR-SM-10	380 x 780 x 880	AVR-SM-15	380 x 780 x 880	AVR-SM-20	380 x 780 x 880
AVR-SM-30	380 x 780 x 880	AVR-SM-45	380 x 780 x 880	AVR-SM-60	380 x 780 x 880
AVR-SM-75	430 x 780 x 1170	AVR-SM-100	430 x 780 x 1170	AVR-SM-150	550 x 940 x 1380
AVR-SM-200	600 x 1150 x 1450	AVR-SM-250	1050 x 700 x 1500	AVR-SM-300	1050 x 700 x 1500
AVR-SM-400	1200 x 800 x 1600	AVR-SM-500	1200 x 800 x 1600	AVR-SM-600	1300 x 800 x 1950
AVR-SM-800	1300 x 800 x 1950	AVR-SM-1000	1500 x 1000 x 1950	AVR-SM-1200	1500 x 1000 x 1950
AVR-SM-1600	1600 x 1800 x 2000	AVR-SM-2000	1500 x 1000 x 1950x3	AVR-SM-3000	1500 x 1000 x 1950x3

* Specifications are subject to change without prior notice.

Spec. STD.15-02-23



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