

MEGA AVR Series



MGA-1K / 2KHV



MGA-3K / 5KHV



MGA-8K / 10KHV



MGA-15K / 20K / 30KHV

FEATURES

- 1 KVA ~ 30 KVA automatic voltage regulator / Stabilizer (Heavy-duty servo-motor type)
- Servo motor type AVR for combined high precision without instant high voltage surge and fast response
- Input isolation transformer with voltage adjustment, surge suppressor and noise filtering (15KVA ~ 30KVA models)
- Authentic zero-crossing technology catches real current zero-crossing
- Taylor-made C.R.G.O. toroidal transformers
- High performance and high speed MCU control for lower power consumption and better efficiency
- High efficiency, low loss, low rising temperature, and long lifespan
- Independent SMT processing technology
- Resettable circuit breaker for overload protection
- Full function, graphic LED display indicator for easy status reading
- Optional W Series for input range of 105 ~ 250 / 115 ~ 260 VAC (1KVA ~ 10KVA models)

APPLICATIONS

- Office Equipment
- Home Appliances
- Factory Application
- Medical / Industrial

MEGA AVR SPECIFICATION

MODEL	MGA-1KHV	MGA-2KHV	MGA-3KHV	MGA-5KHV	MGA-8KHV	MGA-10KHV	MGA-15KHV	MGA-20KHV	MGA-30KHV
Capacity	1000 VA	2000 VA	3000 VA	5000 VA	8000 VA	10000 VA	15000 VA	20000 VA	30000 VA
INPUT									
Voltage	130 ~ 250 / 150 ~ 260 VAC						140 ~ 280 / 150 ~ 290 VAC		
Frequency	50 / 60 Hz (auto sensing)								
Phase	Single phase								
Inlet	1M length with plug		*1M length power cable				Terminal block		
OUTPUT									
Voltage	220 / 230 VAC (Optional DV : 110 & 220 VAC / 115 & 230 VAC)				220 / 230 VAC				
Phase	Single phase								
Efficiency	98%								
Precision	±1% ~ ±3%								
Socket	Universal * 2		Universal * 1 + Terminal		Universal * 2 + Terminal		Terminal block		
Bypass Switch	N / A				Yes				
TRANSFORMER									
Transformer	Taylor-made, C.R.G.O., toroidal transformer								
DISPLAY									
Digital Display	Working and loading								
PROTECTION									
Overload	Yes								
Over Temperature	Built-in normal close thermostat to sample the transformer temperature and realize overheat protection								
High / Low Voltage	Yes								
Short Circuit	Yes								
Cooling Fan (3000VA and above)	Cooling fans starting rotate @ over 30% of rated capacity / Cooling fans stop rotate @ under 20% of rated capacity								
PHYSICAL									
Dimension (D x W x H) (mm / in)	255 x 168 x 146 / 10.0 x 6.6 x 5.7		292 x 255 x146 / 11.5 x 10.0 x 5.7		388 x 302 x 210 / 15.3 x 11.9 x 8.3		522 x 350 x 675 / 20.6 x 13.8 x 26.6		
Net Weight (kg / lb)	6 / 13.2	7.2 / 15.9	10.3 / 22.7	12.8 / 28.2	21.1 / 46.5	23.5 / 51.8	56 / 123.5	62.3 / 137.4	69 / 152.1

* Model appear "CB" text, it means that this model contains 1M length input power cable.

Product specifications are subject to change without further notice.