

HI-AVR-LCD

High Frequency IGBT - Full Automatic & Electronic Voltage Regulator

- Wide input voltage windows (+/-25%)
- Excellent voltage regulation : +/-1% output
- Compatible with linear and non-linear load
- Overload, high voltage & low voltage protection
- Compact size, light weight & low noise
- Linear voltage regulator provides higher reliability
- Over 95% high efficiency cuts down your expense
- High performance design with innovative techniques
- CPU operation ensuring reliability and constant protection
- Built-in surge suppressor (MOV), EMI & LC filters provide pure output
- Sinewave Pulse Width Modulation (SPWM), IGBT inverter design



AR-3K/5K-RM-LCD



AR-3K/5K/7.5K/10K-LCD



AR-15K/20K-LCD



Complete Power Solution™

ISO 9001 Certified Company

Specifications

Model	AR-3K-RM-LCD	AR-5K-RM-LCD	AR-3K-LCD	AR-5K-LCD	AR-7.5K-LCD	AR-10K-LCD	AR-15K-LCD	AR-20K-LCD
Power rating	110V 3KVA / 2.1KW	110V 5KVA / 3.5KW	110V 3KVA / 2.1KW	110V 5KVA / 3.5KW	110V 7.5KVA / 5.25KW	110V 10KVA / 7KW	110V 15KVA / 10.5KW	220V 20KVA / 14KW
AC Input	P.F.=0.7 Frequency 50 Hz or 60 Hz							
	Voltage 110V, 220V, System 1 Ø 2W							
	Range 110V : +/-15% , 220V : +/- 25%							
AC Output	Voltage 110V, 220V, System 1 Ø 2W							
	Voltage Regulation Typical +/-1%							
	Frequency 50 Hz or 60 Hz							
	Efficiency >95%							
	Power Factor +/- 0.7							
	Distortion < 3% of T.H.D. at linear load							
AVR	Operation SPWM (Sinewave Pulse Width Modulation)							
	Component IGBT & MOSFET inside							
	Operation Frequency 20KHz							
Environment	Temperature 0°C-40°C							
	Humidity 0%~95% (Non condensing)							
Protection	Output Over/Under Voltage √							
	Output Over Load Buzzer alarm (Option : cut off output)							
	Surge Protection Varistor							
	Noise Protection E.M.I. Or LC filter							
Indicator	LCD Indicate line, bypass, inv, fault, load capacity, I/P voltage, I/P frequency, O/P voltage, O/P frequency, inner temperature, O/P current							
Maintenance	Manual Bypass Switch Option							
Physical size	430 x 380 x 130 (16.9" x 14.9" x 5.1")		244 x 392 x 342 (9.6" x 15.4" x 13.5")		258 x 531 x 546 (10.2" x 20.9" x 21.5")			
Weight	18.5 kgs (40.7 lb)	23.6 kgs (51.9 lb)	26 kgs (57.2 lb)	27.5 kgs (60.5 lb)	28.5 kgs (62.7 lb)	30 kgs (66.0 lb)	59 kgs (129.8 lb)	64 kgs (140.8 lb)

Characteristics Subject To Change Without Prior Notice

Available Through:



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