

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	50 Hz or 60 Hz							
Voltage	110V, 220V, System 1 Ø 2W							
Range	110V : +/-15% , 220V : +/- 25%							
AC Output	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							
Operation	SPWM (Sinewave Pulse Width Modulation)							
Component	IGBT & MOSFET inside							
Operation Frequency	20KHz							
Temperature	0°C-40°C							
Humidity	0%-95% (Non condensing)							
Output Over/Under Voltage	√							
Output Over Load	Buzzer alarm (Option : cut off output)							
Surge Protection	Varistor							
Noise Protection	E.M.I. Or LC filter							
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	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)	23 kgs (50.6 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:



Complete Power Solution[®]
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