

# HI-AVR 33 Series

*High Frequency IGBT - Full Automatic & Electronic Voltage Regulator*

- Wide input voltage range (+/-25%)
- Excellent +/-1% output voltage regulation
- 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
- Input phase detector protection
- 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
- Patent No.132036 already be issued.

**NEW  
PRODUCT**



AR-15K33/30K33



Complete Power Solution™

ISO 9001 Certified Company

## Specifications

Model	AR-15K33	AR-30K33	AR-45K33	AR-60K33	AR-75K33	AR-100K33
Power rating	10.5 KW	21 KW	31.5 KW	42 KW	52.5 KW	70 KW
AC Input	P.F.=0.7					
Frequency	50 Hz or 60 Hz					
Voltage	220V / 380V, System 3 Ø 4W					
Range	+/- 25%					
Voltage	220V / 380V, System 3 Ø 4W					
Voltage Regulation	Typical +/-1%					
Frequency	50 Hz or 60 Hz					
Efficiency	Typical >95%					
Power Factor	+/- 0.7					
Distortion	< 3% of T.H.D. at linear load					
AVR	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, phase order fault, fault, load capacity, I/P voltage, I/P frequency, O/P voltage, inner temperature, O/P current					
Maintenance	√					
Manual Bypass Switch	TBD					
Physical size	W x D x H mm (inch)					
Weight	258 x 562 x 679 (10.1" x 22.1" x 26.7")					
Net weight (lb)	69.5 kgs (152.9 lb)					
Net weight (kg)	96 kgs (211.2 lb)					

Available Through:

TBD : To be Done

Characteristics Subject To Change Without Prior Notice

