HI-AVR

High-Frequency AR series stabilize critical power voltage

AR-5000-15K

AR-20K

Main Feature

Advance Linear regulator
Unlike conventional buck-boost regulator, ARs' linear regulator provides outstanding +-1% regulation. Achieve optimal voltage output for important devices

Wide voltage acceptance
Hi-AVR allows an astonishing +-25% (220V) voltage range input acceptance. Regulate wild voltage to suitable power.

Outstanding Efficiency
Hi-AVR industry-leading power-saving technology provides over 95% efficiency, achieve excellent performance with significant utility saving.

Comprehensive power filter
AR is designed with LC filter, EMI filter, and surge protection; Generate powerful resistance against noise interruption and harmful interference.

CPU control circuit
AR CPU control ensures high stability and interference resistance while operating critical equipment.

World patent circuit
POWERCOM patent design provides industry-leading performance. With SPWM and IGBT design, achieve an efficient high-frequency design with excellent Stability.

Specification

Model	AR-5000	AR-7500	AR-10K	AR-15K	AR-20K
Power Rating	3.5 KW	5.25 KW	7 KW	10.5 KW	14 KW
AC Input					
Frequency	50Hz or 60Hz				
Voltage	1φ 2W				
Range	110V: ± 15% 220V: ± 25%				
AC Output					
Voltage	1φ 2W				
Voltage Regulation	± 1 %				
Frequency	50 Hz / 60 Hz Following Input				
Efficiency	> 95 %				
Power Factor	± 0.7				
Distortion	< 3% of T.H.D. at Linear Load				
AVR					
Operation	SPWM (Sinewave Plus Width Modulation)				
Component	IGBT				
Operation Frequency	20 kHz				
Protection					
Full Protection	Output over / under Voltage, Overload, Surge				
Maintenance	Manual Bypass Switch (Option)				
Management & Communication					
Indicator	LCD Indicator				
Physical					
Dimension (WxDxH) (mm)ÿ	392 x 244 x 342				280 x 420 x 390
Weight (kgs)	15	24	28	32	40
Environment					
Operating Humidity	0-95 % RH at 0-40℃ (Non-condensing)				
Audible Noise	Less than 45 dB		Less than 50 dB		

* Specifications are subject to change without further notice.

* Specifications are for reference, please refer to information based on real product.