

APH-33 3 Phase Series Inductive Voltage Regulator

Alphapower

Alpha
Power Systems

The APH series inductive voltage regulator comes in a variety of sizes and offers power outputs of up to, and including, 500kVA. It offers system stability as well as safe and clean output power.

Redundant circuit control, overload, over voltage and under voltage protection mean a system can run continuously under fault conditions (voltage fluctuation, noise, spikes, surges, etc.) without causing damage to electrical equipment and devices.



Some key features include:

- High overload capacity
- Durable design
- Phase protection
- Overload protection
- Over/under voltage protection
- User friendly interface
- Remote signal, measurement and control function

Product Specifications

	Model	APH-33250	APH-33300	APH-33350	APH-33400	APH-33500
	Capacity	250kVA	300kVA	350kVA	400kVA	500kVA
	Circuit Type	Inductive Voltage Regulator				
Input	Phase	Three Phase 3-wire or 4wire				
	Voltage	-13 – 17% (optional -22 – 30%)				
	Frequency	47 – 63 Hz				
Output	Phase	Three phase 3-wire or 4-wire				
	Voltage	200V/208V/220V 380V/400V/415V				
	Frequency	Same as input				
	Power Factor	± 0.7 – 1				
	Efficiency	≥ 97% @ full load				
	Accuracy	± 2% (±1 – 5% adjustable)				
	Voltage Modulation	≤ 4V/s				
	Harmonic Distortion	≤ 1% (compared with input)				
Display & Protection	Measurements	Load rate, Phase voltage, Output line voltage, Internal temperature, Line current and frequency, Power (VA, W) power factor, Input line voltage and frequency				
	Protection	Output overload, Redundant circuit control, Phase loss, reversed phase, Event history – up to 200 records, Over temperature and over current, Output over voltage and under voltage				
	Operation	LCD and push button with light				
	Alarm	YES				
	Communication	RS485				
	Software	Remote control and monitoring				
Physical	Cooling	Fan cooling				
	Optional	Auto transformer, full time lightning and surge protection and output on & off electromagnetic contact				
	Dimensions W x D x H	600 x 1160 x 1825 mm 23.6" x 45.7" x 71.9"				
	Shipping Dimensions W x D x H	780 x 1370 x 2150 mm 30.7" x 53.9" x 84.7"				
	Net Weight Kg (lbs.)	830 (1830)	926 (2041)	976 (2152)	1046 (2306)	1090 (2403)

Environment	Ambient Operation	-5 – 40°C (23 – 104°F)	
	Humidity	0 – 95% non-condensing	
	Storage Temperature	-30 – 50°C (-22 – 122°F)	
	Altitude	< 1000m	
	Noise	≤ 50dBA	≤ 55dBA