

APH-33 3 Phase Series Inductive Voltage Regulator

Alphapower

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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-33100	APH-33125	APH-33150	APH-33200
Capacity	100kVA	125kVA	150kVA	200kVA
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 1510 mm 23.6" x 45.7" x 59.4"	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 1800 mm 30.7" x 53.9" x 70.9"	780 x 1370 x 2150 mm 30.7" x 53.9" x 84.7"	
	Net Weight Kg (lbs.)	594 (1310)	644 (1420)	668 (1473)

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