

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-33010	APH-33015	APH-33020	APH-33030	APH-33045	APH-33060	APH-33075
Capacity	10kVA	15kVA	20kVA	30kVA	45kVA	60kVA	75kVA
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	220V/380V 230V/400V 240V/415V (optional)					
	Frequency	Same as input					
	Power Factor	± 0.7 – 1					
	Efficiency	≥ 97% @ full load					
	Accuracy	± 2% (±1 – 5% adjustable)					
	Dynamic Adjustment Speed	≤ 4V/s (adjustable: fast, normal or slow)					
	Harmonic Distortion	≤ 1% (additional waveform distortion)					
	Overload Capacity	150% for 20min 200% for 5min					
	Display & Protection	Voltmeter	LED displays 3-phase output voltage (≤ ± 1% error)				
Ammeter		LED displays 3-phase output current (≤ ± 1% error)					
Fault Condition		When abnormal, fault code and information is displayed					
Indicator		Power normal/abnormal, high/low voltage, overload, automatic/regulator status					
Over/under Voltage Alarm		Alarm and automatic cut-off					
Phase Loss Alarm		Alarm and automatic cut-off					
Phase Reversed Alarm		Alarm and automatic cut-off					
Over Temperature Alarm		Alarm and automatic cut-off					
Bypass		Manual bypass switch available					
Overload Alarm		Output overload alarm					
Dry Contact	Dry contact for abnormal output						

User Interface		Choose required phase, increase/decrease voltage					
Cooling		Fan cooling					
Connections		Terminal strips					
Physical	Optional	Auto transformer, full time lightning and surge protection					
	Dimensions	350 x 750 x 450 mm			450 x 650 x 950 mm		
	W x D x H	13.8" x 29.5" x 17.7"			17.7" x 25.6" x 37.4"		
	Shipping Dimensions	500 x 900 x 750 mm			600 x 800 x 1250 mm		
	W x D x H	19.7" x 35.4" x 29.5"			23.6" x 31.5" x 49.2"		
Net Weight Kg (lbs)	150 (331)	160 (353)	165 (364)	240 (529)	260 (573)	280 (617)	295 (650)
Environment	Ambient Operation	-5 – 40 ⁰ C (23 – 104 ⁰ F)					
	Humidity	0 – 95% non-condensing					
	Altitude	Maximum 1000m					
	Storage Temperature	-30 – 50 ⁰ C (-22 – 122 ⁰ F)					
	Noise	≤ 55dBA					