

Pro-3 Series Automatic Voltage Regulator

Datasheet



The Pro-3 Series Automatic Voltage Regulator features MCU control, 3-phase compensation servo motor technology and colourful LED display design and performs excellent voltage regulation with accurate output precision of less than 2%.

The Pro-3 Series includes 120% overload protection and 100% unbalanced loading capability which can ensure system stability as well as safe and clean output powering.

Alpha Power Systems

Unit 18, 30 Heathcote Road
Moorebank NSW 2170
Australia

T (02) 9602 8331

F (02) 9602 9180

E admin@alphapower.com.au

W www.alphapower.com.au

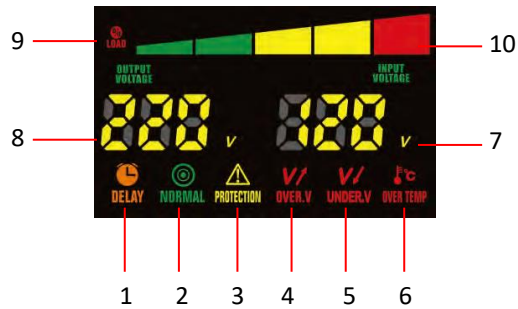
Some Key Features:

- MCU control
- Overload protection (on PCB) $\geq 120\%$
- Motor protection (Unique function)
- If fan fails, the device will cut off the output to avoid overheat
- Colourful LED display
- More accurate output precision $\leq 2\%$
- 3-phase compensation servo motor technology
- Industrial strength components
- 100% unbalanced loading capability between 3 phases

Main Applications:

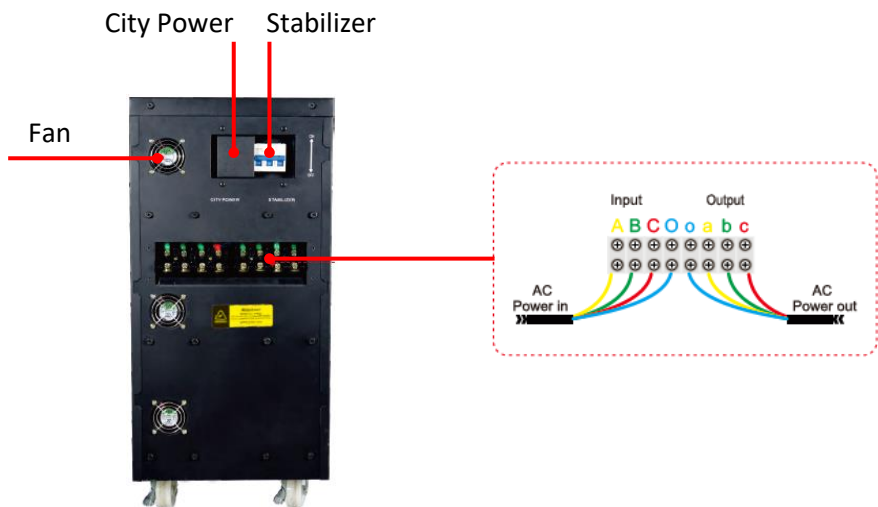
- Airports & Metros
- Power Stations
- Buildings
- Display Systems
- Processing Controls
- Medical Equipment
- Precision Procession Machineries
- Finance & Securities

Display Panel



1. Time Delay	6. Over Temperature Protection
2. Normal	7. Input Voltage
3. Protection (Fault Mode)	8. Output Voltage
4. Over Voltage Protection	9. Load Condition
5. Low Voltage Protection	10. Overload Protection

Input / Output Terminals



Product Specifications

Pro-3 Series		4.5KVA	6KVA	10KVA	15KVA	20KVA
Input	Phase	3-Phase 4-Wires / 3-Phase 3-Wire (Optional)				
	Voltage	AC 304V – 456V / 278V – 433V / 145V – 255V				
	Frequency	50 Hz / 60Hz				
Output	Voltage	380V ± 2% / 220V ± 2%				
	Capacity	3.6KW	4.8KW	8KW	12KW	16KW
	Frequency	50 Hz / 60Hz				
Protection	Low Voltage	AC 318V ± 7V				
	Over Voltage	AC 426V ± 7V				
	Overheat	Optional				
	Cooling System	Natural Cooling System (Optional)				
	Phase Missing	Yes				
	Time Delay	5s / 255s Selectable				
	Bypass	Manual				
Packaging	Weight	19kg	32kg	40kg	64kg	95Kg
	Dimensions	45x42x86cm				57x51x106cm
Efficiency	AC – AC	98%				
Acoustic	Noise Level	≤ 50dB				
Environment	Temperature	-5°C to 45°C				
	Humidity	20% to 90%				

Pro-3 Series		30KVA	45KVA	60KVA	75KVA	90KVA
Input	Phase	3-Phase 4-Wires / 3-Phase 3-Wire (Optional)				
	Voltage	AC 304V – 456V / 278V – 433V / 145V – 255V				
	Frequency	50 Hz / 60Hz				
Output	Voltage	380V ± 2% / 220V ± 2%				
	Capacity	24KW	36KW	48KW	60KW	72KW
	Frequency	50 Hz / 60Hz				
Protection	Low Voltage	AC 318V ± 7V				
	Over Voltage	AC 426V ± 7V				
	Overheat	Optional				
	Cooling System	Natural Cooling System (Optional)				
	Phase Missing	Yes				
	Time Delay	5s / 255s Selectable				
	Bypass	Manual				
Packaging	Weight	108kg	139kg	150kg	272kg	295Kg
	Dimensions	68x66x112cm			85x79x153cm	
Efficiency	AC – AC	98%				
Acoustic	Noise Level	≤ 50dB				
Environment	Temperature	-5°C to 45°C				
	Humidity	20% to 90%				