



3-Phase Automatic Voltage Regulator

PVS III Series | 6KVA~100KVA, p.f 0.8



High Quality
Windings



Good Quality
Servo Motor



Delay Time



Precise Output
Voltage



Under-voltage
Protection



Over-voltage
Protection



Over-temperature
Protection



Overload
Protection



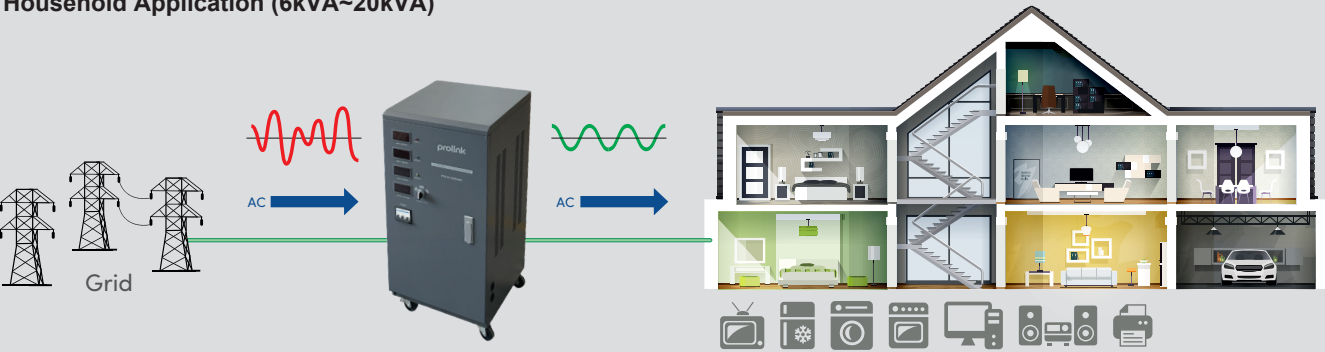
High Efficiency

Prolink PVS series 3-phase voltage regulator consists of voltage transformer, sampling control circuit and servo motor. Its excellent features include small waveform distortion, high efficiency, high power factor, and free from the effect of input frequency variation. It is recommended to use in situations where voltage is unstable.

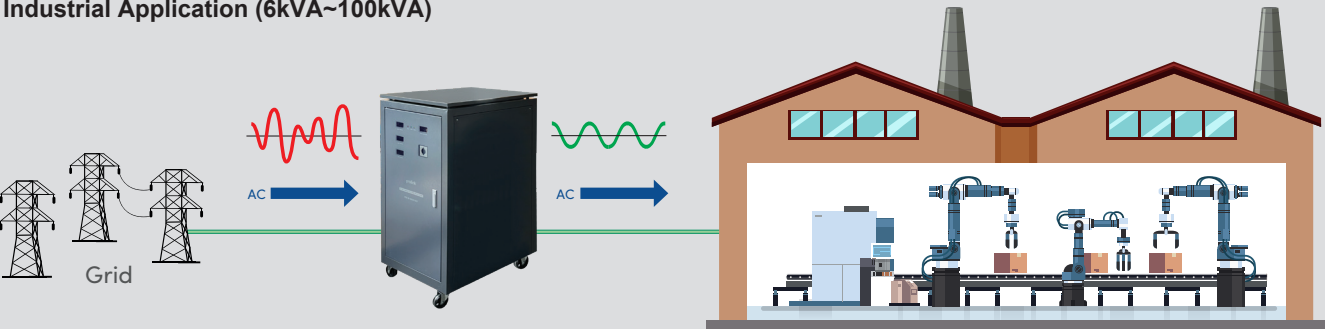


System Diagram

Household Application (6kVA~20kVA)



Industrial Application (6kVA~100kVA)

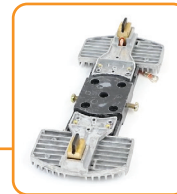
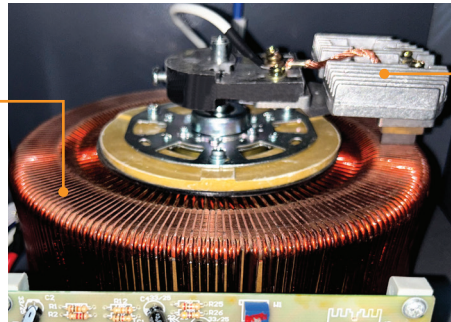


Product Overview

Servo Controlled Transformer

Transformer

- High quality windings
- High Quality Silicon Steel Sheet
- Insulation Class B

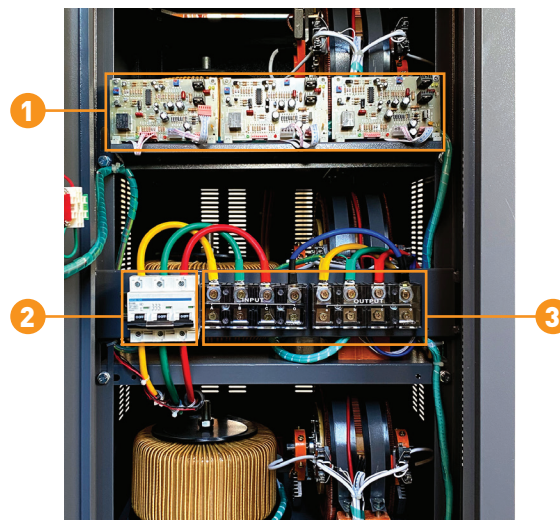


Servo-controlled moving arm

- Good quality servo motor
- Moving arm with high quality graphite contact
- Precise voltage output
- High electrical conductivity
- Low heat dissipation

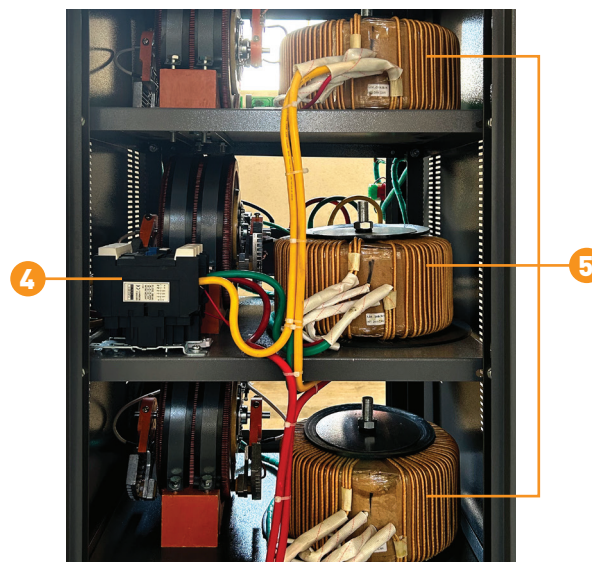
Front View

1. Control cards
2. Input Circuit Breaker
3. Input/Output terminals



Rear View

4. Output Contactor
5. Transformers (Total 3 sets)



Specifications

MODEL	PVS III 6001AD	PVS III 9001AD	PVS III 15001AD	PVS III 20001AD	PVS III 30001AD	PVS III 40001AD	PVS III 50001AD	PVS III 60001AD	PVS III 75001AD	PVS III 100001AD
Capacity	6KVA/4.8KW	9KVA/7.2KW	15KVA/12KW	20KVA/16KW	30KVA/24KW	40KVA/32KW	50KVA/40KW	60KVA/48KW	75KVA/60KW	100KVA/80KW
INPUT										
Nominal Voltage	400VAC (3Ph+N)									
Voltage Range	280V~430V (195~430V option available)									
Phase	3Ph+N									
Frequency	50Hz/60Hz									
Circuit Breaker	Normal / Bypass (Optional)									
TRANSFORMER										
Transformer Type	Servo Motor Driven Variable Transformer									
Insulation Class	Class B									
Winding Material	100% Aluminum (Option for 100% Copper)									
Transformer Core	High Quality Silicon Steel Sheet									
Moving Arm	High Quality Graphite Contact (Wear Resistant, High Electrical Conductivity, Prevised Voltage OUPut, Low Heat Dissipation)									
OUTPUT										
Nominal Voltage	400VAC (3Ph+N)±3%									
Power factor	0.8									
Frequency	50Hz/60Hz									
Overload Capability	up to 100% continuous, up to 150% for 10 sec									
EFFICIENCY										
Overall Efficiency	>90%									
INDICATORS										
Digital Meters	Input Current , Output Voltage									
LED	Normal (Green), Under Voltage (Yellow), Over Voltage (Red)									
PROTECTION										
Delay Time	3s									
Full Protection	Over-voltage, Under-voltage, Over-temp, Over-current protection									
OTHERS										
Response Time	<1sec. (against 10% input voltage deviation)									
Insulation Resistance	>5MΩ									
PHYSICAL										
Dimension (LxWxH)mm	350x275x675	375x315x775	435x360x775	510x395x855	585x465x980	640x520x1085			720x620x1320	
Weight (kg)	35	50	70	90	110	180	190	200	225	240
ENVIRONMENT										
Operating Temperature	-10~45 °C									
Humidity	0~90 % RH (non-condensing)									
Noise Level	<60dB @ 1m									
COMPLIANCE STANDARD										
Safety	IEC/EN 61558-1, IEC/EN 61558-2									
EMC	IEC/EN 61000-3-2, IEC/EN 61000-3-3, IEC/EN 61000-6-2, IEC/EN 61000-6-4									

*Product specifications are subject to change without further notice
**Efficiency rate will be different based on different models and input voltage range
A - Aluminum Winding
C - Copper Winding
D - Digital Display

Compatible with: