



1-Phase Automatic Voltage Regulator

PVS Series | 1KVA~10KVA



High Quality Windings



Good Quality Servo Motor



Delay Time



Precise Output Voltage



Under-voltage Protection



Over-voltage Protection



Overload Protection



High Efficiency

Prolink **PVS series 1-phase voltage regulator** consists of voltage transformer, sampling control circuit and servo motor. to provide more stabilized output to the connected loads. It has excellent features such as small waveform distortion, faster response time and higher durability for different types of applications.



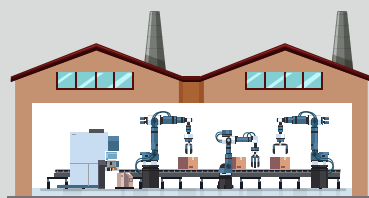
Key Features

- Servo motor controlled design provides more stabilized output
- Dual output (110VAC/230VAC) for 1kVA
- Dual output (220VAC/230VAC) for 2kVA and above models
- Faster response time against input voltage variation
- Stepless voltage correction
- High reliability
- Provide under-voltage, over-voltage, over-heat and over current protection
- Provide surge and spike suppression

System Diagram



Household Application



Industrial Application

Front Panel

1KVA - 10KVA

- 1) On/Off switch
- 2) Output voltage display
- 3) Input Fuse

- 4) Push button switch for output voltage (110/220V for 1kVA and 220/230V for 2~10kVA)

- 5) Input voltage display



PVS1001AD



PVS2001AD



PVS3001AD



PVS5001AD



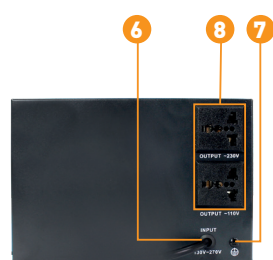
PVS7501AD/CD
PVS10001AD

Rear Panel

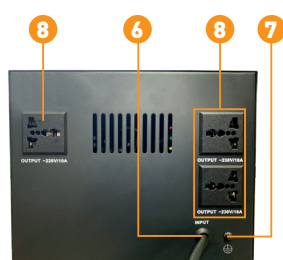
1KVA - 10KVA

- 6) AC Input cable/ terminal
- 7) Grounding terminal

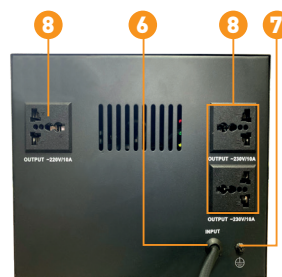
- 8) AC output sockets/ terminals
- 9) Cooling Fan



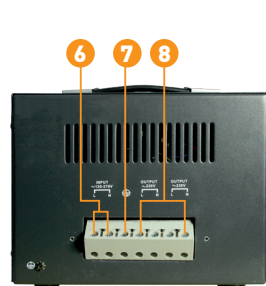
PVS1001AD



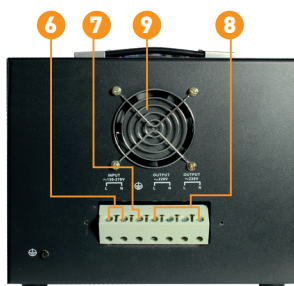
PVS2001AD



PVS3001AD



PVS5001AD



PVS7501AD
PVS10001AD

Specifications



PVS1001AD



PVS2001AD
PVS3001AD



PVS5001AD



PVS7501AD



PVS10001AD

MODEL	PVS1001AD	PVS2001AD	PVS3001AD	PVS5001AD	PVS7501AD	PVS10001AD
Capacity	1000VA/800W	2000VA/1600W	3000VA/2400W	5000VA/4000W	7500VA/5600W	10000VA/8000W
INPUT						
Nominal Voltage	230VAC single phase					
Voltage Range	130~270VAC					
Frequency	50Hz / 60Hz					
TRANSFORMER						
Transformer Type	Servo Motor Driven Variable Transformer					
Insulation Class	Class B					
Transformer Core	High Quality Silicon Steel Sheet					
Moving Arm	High Quality Graphite (Wear Resistant, High Electrical Conductivity, Low Heat Dissipation)					
OUTPUT						
Nominal Voltage	110VAC or 230VAC single phase +/- 1~3%	220VAC or 230VAC single phase +/- 1~3%				
Frequency	50Hz / 60Hz					
EFFICIENCY						
Overall Efficiency	>90%					
INDICATORS						
Digital Meters	Input Current , Output Voltage					
LED	Normal (Green), Under Voltage (Yellow), Over Voltage (Red)					
INPUT PROTECTION						
Delay Time	3s					
Full protection	Over-voltage, Under-voltage, Over-current protection					
OTHERS						
Response Time	< 1 sec (against 10% input voltage variation)					
Insulation Resistance	> 5MΩ					
PHYSICAL						
Dimension (LxWxH) mm	260 x 240 x 175	310 x 240 x 205	315 x 230 x 240	476 x242 x208	503 x277 x243	
Weight (kg)	3.45	8.8	14	18.45	22	29.6
ENVIRONMENT						
Operating Temperature	-10~40 °C					
Humidity	0~90 % RH (non-condensing)					
Noise Level	<50dB @1m				<55dB @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					

*Efficiency rate will be different based on different models and input voltage range
Product specifications are subject to change without further notice.

D- Digital Display; M- Analog Display

A- Aluminum winding; C- Copper winding

Ver3.3_3.9.2024

Authorised Distributor/ Reseller:

Compatible with:



Windows



macOS



Linux