AFV-P series

High Performance Programmable AC Power Source

600VA~5kVA







- Compact and high power density: 600VA to 2500VA is only 2U and 5000VA is 4U.
- AC source with DC output: extend the applications to DC testing.
- Wide output voltage of 0-310V and output frequency of 15-1000Hz.
- THD is only under 0.3 % when output power is under 100 Hz.
- Ideal for inrush current: capable to deliver up to 4.5 times of peak
- Start/End phase angle: users can define the start and end phase angle from 0° to 360°.
- Current foldback feature: have output current maintain constant based on the load which output voltage varies.
- STEP and RAMP function: ideal for voltage and frequency variation tests and effectively reduces the inrush current during motor startup.
- TRANSIENT generation provides users an easy setup for power line disturbance (PLD) simulation.
- Users can quickly set and view the parameters via 5 inches touch panel or rotary knob, which provides an easy operation and measurement display.
- Free control software and LabVIEW driver: allow users to easily program and remote control.
- High slew rate: less than 300 µs from 0~90% output voltage.

Interfaces



Applications

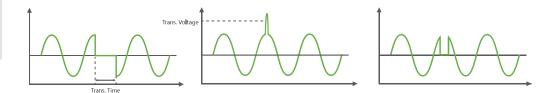
- O Home Appliance
- O Laboratory/Certification Bureau
- O Industrial Power Supply
- O Electric Vehicles
- O Motor & Compressor
- O IT / SMT Production Line
- Aerospace & Defense
- O Transportation

AFV-P Series

Preen's AFV-P Series is a programmable AC power source with DC output and precision measurement. This compact power source provides clean power with THD less than 0.3% at 50/60 Hz and it delivers output voltage of 0-310 V and frequency of 40-500 Hz (opt. 15-1000 Hz). It is ideal for commercial, defense and aerospace test applications from design verification, quality assurance, ATE to mass production.

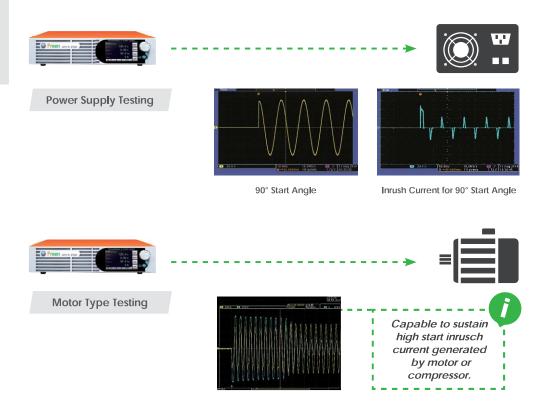
AFV-P series comprises measurement features of rms voltage, rms current, true power, apparent power, power factor, crest factor, reactive power and etc. Its 5" touch screen with rotary knob allows quick adjustments and configurations of voltage, current and frequency. Total 1200 test steps in 50 built-in memories and transient generation functions allow simulations of voltage variations, surges, drops and frequency disturbances. Users can set up starting and ending phase angle from 0 - 360 degrees and they can also remotely control AFV-P via standard interfaces. Free control software and LabVIEW driver are available for easy programming and remote control.

Programmable Simulations: Transient Feature



Through the Transient feature, user can have more control over the waveform by inserting disturbance at user-defined locations with user-defined drop/rise range. This is a useful feature to simulate different precompliance tests and various types of power line disturbance, such as surge, sag, spike and dropout, for immunity tests.

Ideal for High Inrush Current EUT & Start / End Angle Setting



The AFV-P series can provide up to 4.5 times of peak current from its maximum rated current, which is ideal for inrush current test, such as electric motor test. Additionally, the AFV-P series allows user to set the start angle/end angle for the product output, which is suitable for testing switching power supplies.

Intuitive Touch Screen Control

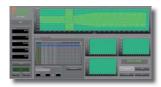


To create a complex sequence on the HMI is no longer a difficult task for AFV-P series. The 5 inches touch screen provides users a clear display and an easy set up. AFV-P is also equipped with a rotary knob for better fine tune adjustments.

Multiple
Communication
Interfaces &
Control Software

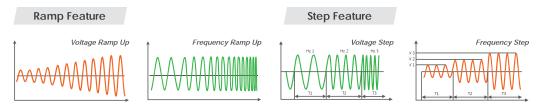






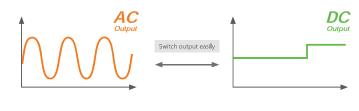
The AFV-P series is equipped with communication interfaces of USB, Ethernet, RS232, and RS485, so users no longer need to spend extra on remote interface card. Only GPIB and analog are optional interfaces. AFV-P also provides control software with comprehensive programming features and LabView driver, which help users to easily control the AC source without further needs of programming.

Programmable Simulation Functions: Step & Ramp Features



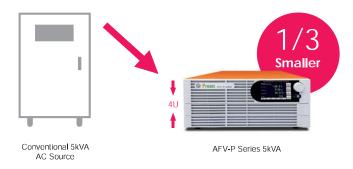
Ramp and Step feature allows users to define slew rate of voltage and frequency at each Step. Users can set the rise/fall time, time unit and voltage/frequency change between Steps to create a wide range of waveform. Additionally, Ramp feature can effectively reduce the inrush current by simulating soft start for motor or compressor startup.

AC Output & DC Output



AFV-P series not only provide AC output to simulate real world grid conditions, but also can generate DC output based on user's settings. It is an ideal cost-effective power testing solution for R&D and certification laboratories.

Compact & High Power Density



AFV-P series has the industry-leading power density and rack-mount type design for east system integration. 2500VA only comes in 2U and 5000VA is only in 4U.

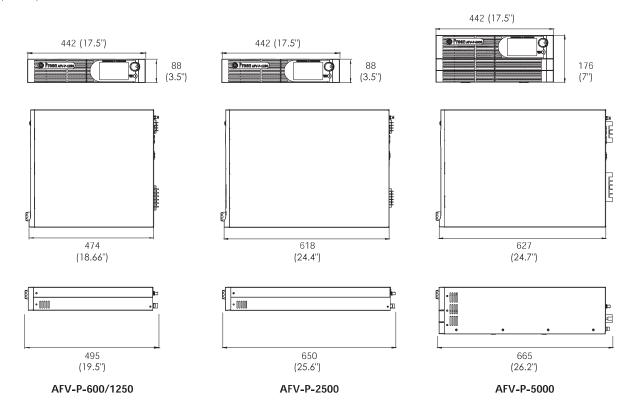
Fast Response & High Stability



AFV-P series is a high performance AC source with fast response time, low total harmonic distortion and tight voltage regulation. With its technically advanced features, users can easily simulate power line disturbance, such as sags, surges, dropouts and spikes.

DIMENSIONS

Unit: mm (inch)



PANEL DESCRIPTION

- 1. Power Switch
- 2. Touch Screen HMI
- 3. Rotary Knob
- Output / Reset
- 5. AC Output Socket
- 6. Output Terminals
- 7. Remote Sense
- 8. USB Interface
- 9. RS-232 / RS-485
- 10. Ethernet Interface
- 11. Input Voltage Selector
- 12. PLC Remote In/Out
- 13 Input Socket *
- 14. USB Interface (for firmware update)
- 15. Sync. Singal I/O





SPECIFICATIONS

AFV-P Series Single-Phase Output (600VA - 5kVA)

Model		AFV-P-600	AFV-P-1250	AFV-P-2500	AFV-P-5000	
INPUT						
Phase				ngle		
Voltage		98-132VAC /			pt. 175-235VAC)	
Frequency				(opt, 400Hz)		
Max. Current		10A	20A	20A	40A	
OUTPUT						
Power	VA	600VA	1250VA	2500VA	5000VA	
	W	500W	1000W	2000W	4000W	
Phase			1Ø / 2 \	Wire + G		
Voltage Ranges		0 - 155Vrms / 0 - 310Vrms, user selectable				
Voltage Accuracy		± (0.5 % of setting + 0.1% F.S.)				
Voltage Resolution		0.1Vrms				
Frequency		A: 15-1000Hz , B: 40-500Hz				
Frequency Accuracy		±0.02%				
Frequency Resolution		0.1Hz, 1Hz				
Max. Current (RMS)		5A / 2.5A	10A / 5A	20A / 10A	40A / 20A	
Max. Current (Peak)		22.5A / 11.3A	45A / 22.5A	90A / 45A	180A / 90A	
Total Harmonic Distort	tion	< 0.20/ =1	40 10011- 70 507 -+ 101 50011	- < 0.00/ -+ F01.1000H= /Dis	tive Lead	
(THD)		≦ 0.3% at	40-100Hz, ≦ 0.5% at 101-500H	Iz, ≤ 0.8% at 501-1000Hz (Resis	suve Load)	
Line Regulation		± 0.1V				
Load Regulation		≤ 0.07% F.S. (Resistive Load)				
Response Time		≤ 300µs				
Crest Factor				3		
Inrush Current		\geq 4.5 time of max.output current (R.M.S)				
DC OUTPUT						
Power		300W	600W	1250W	2500W	
Voltage Ranges		10000		/ 0 – 420V	2000**	
Max. Current		2,5A / 1,25A	5A / 2.5A	10A / 5A	20A / 10A	
Ripple & Noise (RMS)		ZIONI TIZON	≤ 0.15%	I TOAT SA	≤ 0.24%	
MEASUREMENT			30.1070		_ 30,2470	
Voltage Range			0.42	10) Irma o		
		0 - 420Vrms +(0.2% of reading + 5 counts)				
Voltage Accuracy		±(0.2% of reading + 5 counts)				
Voltage Resolution		0.1V				
Frequency Range		15 - 1000Hz				
Frequency Accuracy		±0.1Hz at 40.0 - 500Hz, ±0.2Hz at 501 - 1000Hz				
Frequency Resolution		0.1Hz				
Current Range		Hi: 1 - 12A / Lo	: 0.005 - 1.2A	Hi: 2 - 24A / Lo: 0.005 - 2.4A		
Current Accuracy					Hi: 0.05A - 48.00A	
Current Resolution		± (1% of reading	ng + 5 counts) at 40.0 - 500Hz, :	± (1% of reading + 10 counts) a	t 501 - 1000Hz ⁻²	
			ng + 5 counts) at 40.0 - 500Hz, : Hi: 0.01A / Lo: 0.001A	± (1% of reading + 10 counts) a	t 501 - 1000Hz ^{*2} Hi: 0.01A	
Peak Current Range		0 - 4	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A	± (1% of reading + 10 counts) a	t 501 - 1000Hz ⁻²	
	у	0 - 4 ± (1% c	ng + 5 counts) at 40.0 - 500Hz, : Hi: 0.01A / Lo: 0.001A	± (1% of reading + 10 counts) a 0 - 90A 500Hz,	t 501 - 1000Hz ⁻² Hi: 0.01A	
Peak Current Range		0 - 4 ± (1% c	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 -	± (1% of reading + 10 counts) a 0 - 90A 500Hz,	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A	
Peak Current Range Peak Current Accurac		0 - 4 ± (1% c	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0.	± (1% of reading + 10 counts) a 0 - 90A 500Hz, 1000Hz	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A	
Peak Current Range Peak Current Accuracy Peak Current Resoluti		0 - 4 ± (1% o ± (1% o Hi: 100 - 1200W	ng + 5 counts) at 40.0 - 500Hz, and Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W	± (1% of reading + 10 counts) a 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W /	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range		0 - 4 ± (1% o ± (1% o Hi: 100 - 1200W	ng + 5 counts) at 40.0 - 500Hz, and Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W	± (1% of reading + 10 counts) a 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 240W	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy		0 - 4 ± (1% o ± (1% o Hi: 100 - 1200W	ng + 5 counts) at 40.0 - 500Hz, and Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz,	± (1% of reading + 10 counts) a 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 240W	t 501 - 1000Hz ² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution		0 - 4 ± (1% o ± (1% o Hi: 100 - 1200W	ng + 5 counts) at 40.0 - 500Hz, and Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz,	± (1% of reading + 10 counts) a 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 240W	t 501 - 1000Hz ² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL		0 - 4 ± (1% o ± (1% o + (1% o Hi: 100 - 1200W ± (2% of readi	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W	± (1% of reading + 10 counts) a 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 240W ± (2% of reading + 15 counts) o	t 501 - 1000Hz ² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL Efficiency		0 - 4 ± (1% o ± (1% o ± (1% o Hi: 100 - 1200W ± (2% of readi	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W	± (1% of reading + 10 counts) a 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 240W ± (2% of reading + 15 counts) 6 ≥ 80% at max. power	t 501 - 1000Hz ² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL Efficiency Protection	on	0 - 4 ± (1% o ± (1% o ± (1% o # (1% o # (1% o # (2% of readi) ≥ 77% at max. power Standard: RS232	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W	± (1% of reading + 10 counts) at 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 240W ± (2% of reading + 15 counts) € ≥ 80% at max. power DTP, RCP, Fan Fail and AMP Fail	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL Efficiency Protection Remote Interface	on	0 - 4 ± (1% o ± (1% o ± (1% o 100 - 1200W ± (2% of readi) ≥ 77% at max. power Standard: RS232 Output 0	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W OVP , UVP , OCP, LVP, OPP, CO / RS485 / Ethernet / USB / PLC Current maintains constant base	± (1% of reading + 10 counts) at 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 2400W ± (2% of reading + 15 counts) of ≥ 80% at max. power DTP, RCP, Fan Fail and AMP Fail C Remote In&Out, Optional: GPI	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W B / Analog Control ge varies	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL Efficiency Protection Remote Interface Over Current Foldback	on	0 - 4 ± (1% o ± (1% o ± (1% o 100 - 1200W ± (2% of readi) ≥ 77% at max. power Standard: RS232 Output 0	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W OVP , UVP , OCP, LVP, OPP, COP, RS485 / Ethernet / USB / PLC Current maintains constant base Event for Voltage or Frequency (1000)	± (1% of reading + 10 counts) at 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 2400W ± (2% of reading + 15 counts) 0 ≥ 80% at max. power DTP, RCP, Fan Fail and AMP Fail C Remote In&Out, Optional: GPI and on the load while output volta	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W B / Analog Control ge varies	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL Efficiency Protection Remote Interface Over Current Foldback Output Sync Signal Memories	on	0 - 4 ± (1% o ± (1% o ± (1% o 100 - 1200W ± (2% of readi) ≥ 77% at max. power Standard: RS232 Output 0	g + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - f reading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W OVP , UVP , OCP, LVP, OPP, COPT, Courrent maintains constant bases went for Voltage or Frequency (50 Memories & 1200 S	± (1% of reading + 10 counts) at 0 - 90A 500Hz, 1000Hz .1A Hi: 200 - 2400W / Lo: 0 - 2400W ± (2% of reading + 15 counts) of ≥ 80% at max. power DTP, RCP, Fan Fail and AMP Fail C Remote In&Out, Optional: GPI and on the load while output volta Change (Output signal 5V , BNC	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W B / Analog Control ge varies	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL Efficiency Protection Remote Interface Over Current Foldbacl Output Sync Signal Memories Operating Temperature	on	0 - 4 ± (1% o ± (1% o ± (1% o Hi: 100 - 1200W ± (2% of readi ≥ 77% at max. power Standard: RS232 Output C ON, E	g + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - freading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W OVP , UVP , OCP, LVP, OPP, COMBON / RS485 / Ethernet / USB / PLC Current maintains constant base over the for Voltage or Frequency (10 counts) / 10 counts / 1	± (1% of reading + 10 counts) at 0 - 90A 500Hz, 1000Hz 11A Hi: 200 - 2400W / Lo: 0 - 2400W ± (2% of reading + 15 counts) of ≥ 80% at max. power DTP, RCP, Fan Fail and AMP Fail C Remote In&Out, Optional: GPI and on the load while output volta Change (Output signal 5V , BNC) teps (24 Steps/Memory) - 40°C	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W I B / Analog Control ge varies type)	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL Efficiency Protection Remote Interface Over Current Foldback Output Sync Signal Memories	on	0 - 4 ± (1% o ± (1% o ± (1% o #i: 100 - 1200W ± (2% of readi ≥ 77% at max. power Standard: RS232 Output (ON, E	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - freading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W OVP , UVP , OCP, LVP, OPP, CO / RS485 / Ethernet / USB / PLC / RS485 / Ethernet / USB / RS485 / Ethernet	± (1% of reading + 10 counts) at 0 - 90A 500Hz, 1000Hz 1A Hi: 200 - 2400W / Lo: 0 - 2400W ± (2% of reading + 15 counts) of ≥ 80% at max. power DTP, RCP, Fan Fail and AMP Fail C Remote In&Out, Optional: GPI and on the load while output volta Change (Output signal 5V , BNC) teps (24 Steps/Memory) - 40°C 88 x 442 x 650mm	t 501 - 1000Hz ⁻² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W I B / Analog Control ge varies type)	
Peak Current Range Peak Current Accuracy Peak Current Resoluti Power Range Power Accuracy Power Resolution GENERAL Efficiency Protection Remote Interface Over Current Foldbacl Output Sync Signal Memories Operating Temperature	on	0 - 4 ± (1% o ± (1% o ± (1% o Hi: 100 - 1200W ± (2% of readi ≥ 77% at max. power Standard: RS232 Output C ON, E	ng + 5 counts) at 40.0 - 500Hz, Hi: 0.01A / Lo: 0.001A 5A of reading + 5 counts) at 40.0 - freading + 10 counts) at 501 - 0. / Lo: 0 - 120W ng + 10 counts) @ 40 - 500Hz, Hi: 1W / Lo: 0.1W OVP , UVP , OCP, LVP, OPP, CO / RS485 / Ethernet / USB / PLC / RS485 / Ethernet / USB / RS485 / Ethernet	± (1% of reading + 10 counts) at 0 - 90A 500Hz, 1000Hz 11A Hi: 200 - 2400W / Lo: 0 - 2400W ± (2% of reading + 15 counts) of ≥ 80% at max. power DTP, RCP, Fan Fail and AMP Fail C Remote In&Out, Optional: GPI and on the load while output volta Change (Output signal 5V , BNC) teps (24 Steps/Memory) - 40°C	t 501 - 1000Hz ² Hi: 0.01A 0 - 180A ± (1% F.S.+ 5 counts) Hi: 0 - 4800W 501 - 1000Hz Hi: 1W I B / Analog Control ge varies type)	

^{* 1} All specifications are subject to change without notice. * 2 AFV-P-2500 is $\pm (1\%$ F.S. + 5 counts)

ORDERING INFORMATION

AFV-P Series Single-Phase Output (600VA - 5kVA)

Model Number	Description			
AFV-P-600A	High Performance Programmable AC Power Source(600VA/310VAC/15-1000Hz)			
AFV-P-1250A	High Performance Programmable AC Power Source(1250VA/310VAC/15-1000Hz)			
AFV-P-2500A	High Performance Programmable AC Power Source(2500VA/310VAC/15-1000Hz)			
AFV-P-5000A	High Performance Programmable AC Power Source(5000VA/310VAC/15-1000Hz)			
AFV-P-600B	High Performance Programmable AC Power Source (600VA/310VAC/40-500Hz)			
AFV-P-1250B	High Performance Programmable AC Power Source(1250VA/310VAC/40-500Hz)			
AFV-P-2500B	High Performance Programmable AC Power Source(2500VA/310VAC/40-500Hz)			
AFV-P-5000B	High Performance Programmable AC Power Source(5000VA/310VAC/40-500Hz)			
AFV-P-T620A	620V Transformer Box(AFV-P-600 & AFV-P-1250)			
AFV-P-T620B	620V Transformer Box(AFV-P-2500)			
AFV-P-T620C	620V Transformer Box(AFV-P-5000)			
AFV-P-001	RS-232/RS-485/USB/Ethernet Interface			
AFV-P-002	GPIB Interface			
AFV-P-003	Analog Control Interface			
AFV-P-004	RS232 Cable (1.8m / Female to Male)			
AFV-P-008	Input Power Cable 1.8M (for 600VA)			
AFV-P-009	Input Power Cable 3M (for 1.25kVA/2.5kVA)			
AFV-P-010	Input Power Cable 5M (for 5kVA)			
AFV-P-011	Input 400Hz (at input 110V/220V ±10%)			
AFV-P-012	Output 320V (at input 110V/220V ±10%)			