

SPECIFICATIONS

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

Model	AFV-P-600		AFV-P-1250		AFV-P-2500		AFV-P-5000		
INPUT									
Phase	1Ø / 2 Wire + G								
Voltage	98-132VAC / 196-264VAC				196-264VAC(opt. 175-235VAC)				
Frequency	47 - 63 Hz (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 ²	A : 5-2000Hz , B : 15-1000Hz								
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 Distortion (THD)	≤ 0.3% at 5~100Hz , ≤ 0.5% at 101~500Hz , ≤ 0.8% at 501~1000Hz , ≤ 1.5% at 1001~1500Hz , ≤ 2% at 1501~2000Hz (Resistive Load)								
Line Regulation	± 0.1V								
Load Regulation	≤ 0.07% F.S. (Resistive Load)								
Response Time	≤ 300µs								
Crest Factor	≥ 3								
Inrush Current	≥ 4.5 times of max.output current (R.M.S)								
DC OUTPUT									
Power	500W		1000W		2000W		4000W		
Voltage Ranges	0 - 210V / 0 – 420V								
Max. Current	2.5A / 1.25A		5A / 2.5A		10A / 5A		20A / 10A		
Ripple & Noise (RMS)	≤ 0.15%								
MEASUREMENT									
Voltage Range	0 - 420Vrms								
Voltage Accuracy	±(0.2% of reading + 5 counts)								
Voltage Resolution	0.1V								
Frequency Range	5 - 2000Hz								
Frequency Accuracy	±0.1Hz at 5.0 - 500Hz, ±0.2Hz at 501 - 2000Hz								
Frequency Resolution	0.1Hz								
Current Range	Hi: 1 - 12A / Lo: 0.005 - 1.2A				Hi: 2 - 24A / Lo: 0.005 - 2.4A		Hi: 0.05A - 48.00A		
Current Accuracy ¹	±(1% of reading + 5 counts) at 5.0 - 500Hz, ±(1% of reading + 10 counts) at 501 - 2000Hz								
Current Resolution	Hi: 0.01A / Lo: 0.001A						Hi: 0.01A		
Peak Current Range	0 - 45A				0 - 90A		0 - 180A		
Peak Current Accuracy	±(1% of reading + 5 counts) at 5.0 - 500Hz, ±(1% of reading + 10 counts) at 501 - 2000Hz						± (1% F.S.+ 5 counts)		
Peak Current Resolution	0.1A								
Power Range	Hi: 100 - 1200W / Lo: 0 - 120W				Hi: 200 - 2400W/ Lo: 0 - 240W		Hi: 0 - 4800W		
Power Accuracy	±(2% of reading + 10 counts) @ 5 - 500Hz, ±(2% of reading + 15 counts) @ 501 - 2000Hz								
Power Resolution	Hi: 1W / Lo: 0.1W						Hi: 1W		
GENERAL									
Efficiency	≥ 77% at max. power		≥ 80% at max. power						
Protection	OVP, OCP, LVP, OPP, OTP, RCP, Fan Fail and AMP Fail								
Remote Interface	Standard: RS232 / RS485 / Ethernet / USB / PLC Remote In&Out, Option: GPIB / Analog								
Over Current Foldback	Output Current maintains constant based on the load while output voltage varies								
Output Sync Signal	ON, Event for Voltage or Frequency Change (Output signal 5V , BNC type)								
Memories	50 Memories & 1200 Steps (24 Steps/Memory) 50 Memories, 4 Hot keys (The last hot key can be adjusted)								
Operating Temperature	0°C - 40°C								
Dimensions(HxWxD)	89 x 442 x 495mm				89 x 442 x 650mm		176 x 442 x 665mm		
	3.5 x 17.4 x 19.5inch				3.5 x 17.4 x 25.6inch		6.9 x 17.4 x 26.2inch		
Weight	16kg		20kg		31.3kg		61.5kg		
	35.3lbs		44.1lbs		69lbs		135.6lbs		

* 1 AFV-P-2500 is ±(1% F.S. + 5 counts) * 2 For type A: 5-2000Hz, please contact us for output power characteristic curve.

* All specifications are subject to change without notice.