

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%		≤ 0.24%		
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.