The Ideal AC Source for High Power Testing Applications

NEW AFV+ series *10kVA~2000kVA*

New Version of High Power Programmable AC Power Source

The AFV+ series features low THD (total harmonics distortion), high reliability, multiple programming features, intuitive operations and leading power level. This latest high power programmable AC Power source of Preen can simulate different power line disturbances and record error logs. The new control software for the AFV+ series also provides great convenience for remote control and monitoring .

THD ≦ 0.5%

Leading Performance on Harmonic Distortions

Regulation ≦ 0.5%

Precise and Stable Output Performance

Power Line Disturbances

To Simulate Phase Unbalance, Phase Shifting and Phase Loss

- **Intuitive Touch Screen Control** New Version of Easy-to-use Local Operations
- **New Control Software** User-Friendly Control with Comprehensive Functions

AFV+ Series

RoHS Compliant CE

Output Power
10kVA~2000kVA

AFV+ Series
High Performance Programmable AC Power Source

The AFV+ series is a high power programmable AC power source utilizing advanced PWM technology to deliver power with THD ≦ 0.5% and up to 2000kVA. The output frequency is 45~65Hz with accuracy of ± 0.02%, and user can select 45~500Hz option to expand the frequency. The AFV+ series is ideal to simulate different region's voltage and frequency conditions, and can cover applications for home appliance, motor, medical equipment, lighting and EMC laboratory.

The AFV+ series features STEP and RAMP programmable functions to easily simulate single or continuous output changes. Three phase independent adjustment, optional remote sensing and optional phase angle adjustment all provide convenient control to simulate different kinds of line disturbance. These features are ideal for test applications of R&D design verification, quality assurance and production checks. For remote control, the AFV+ series has standard RS-232/RS-485/RS-422 interface card and optional GPIB and Ethernet interfaces for easy setup and programming.

Interfaces

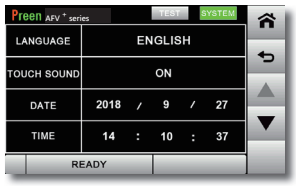
Standard	Option
RS-232	GPIB
RS-422	Ethernet
RS-485	

Applications

- Home Appliance
- Laboratory/Certification Bureau
- Industrial Power Supply
- Electric Vehicles
- Motor & Compressor
- IT / SMT Production Line
- Renewable Energy
- Medical Industry
- Transportation

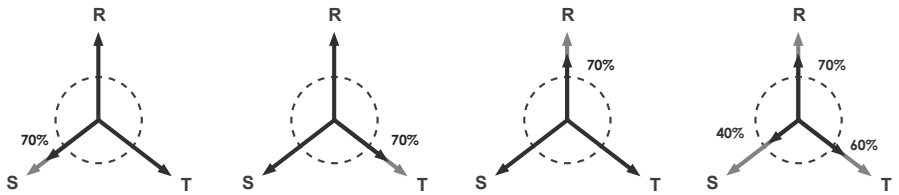
- Wide Output Power Range: 10kVA~2000kVA.
- 0~300V output voltage and 45~65Hz output frequency (opt. 45~500Hz)
- The built-in STEP and RAMP functions are ideal to simulate different types of power line disturbances.
- The SOFT START feature can effectively reduce inrush current caused by motor startup.
- Via the Three Phase Independent Adjustment function, the AFV+ series can deliver each phase voltage differently to multiple single-phase DUTs.
- User can simulate phase shift with the optional Phase Angle Control function.
- The 7" touch screen shows parameters of voltage, current, frequency, real power, apparent power and sum of each phase's parameters.
- Complete protections include UVP, OVP, OCP, input UVP/OVP, OTP and other 29 protections. The built-in Error Log can record up to 255 error messages for easier trouble shooting.
- CE & RoHS certified.
- Optional remote sensing feature is available to improve precision.

Intuitive 7” Touch Screen



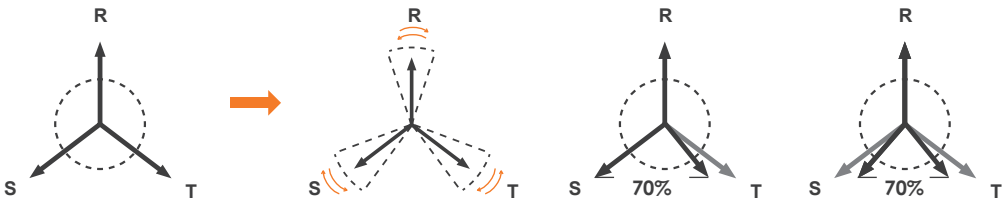
The AFV+ series employs 7"touch screen to provide intuitive and easy-to-use control and display. Users can quickly access output settings and measurements, including voltage, current, frequency, real power, apparent power, PF and sum of each phase’s parameters. Complex sequences and system configurations can also be easily done via the touch screen.

Three Phase Independent Adjustment



The Three Phase Independent Adjustment function of AFV+ series can simulate advanced power line disturbance, such as three-phase voltage unbalanced or lost-phase, which can further meet up with testing standard of IEC61000-4-34 (GB/T 17626-34), by setting output voltage of each phase independently. User can simply press the screen icon to switch between balanced voltage setting and independent voltage adjustment .

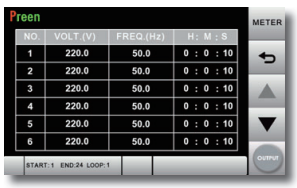
Phase Angle Control (Opt.)



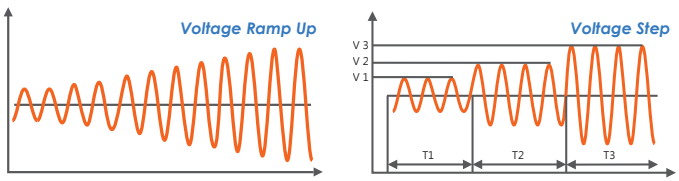
Phase Angle Control (Opt.)

The AFV+ series not only can set three-phase voltage independently, but also can set the phase angle between three phases via the optional Phase Angle Adjustment, for example, user can set phase angle from 120 to 70,to simulate phase shift for different power conditions.

RAMP and STEP programming features



STEP Setting (24 sequences)



The AFV+ series’ RAMP feature has up to 12 sequences available with parameters of voltage, frequency and time, and the STEP feature has up to 24 sequences available with parameters of voltage, frequency and time. These features provide an easy method to simulate different kinds of power line disturbance.

Overload capacity (Opt.)

An electric-motor-type UUT (Unit under Test), such as motor, compressor or water pump, generates great activation current when activating. As a result, users need to purchase a power supply with much higher capacity than the UUT itself. AFV+ series has an optional overload capacity that can endure/ achieve 200% overload capacity, easy to activate products of electric motor type that require high activation current.

Remote Interfaces

RS-232 RS-422 RS-485 Standard Ethernet GPIB Option

For easy setup and programming, the AFV+ series has standard RS-232/RS-485/RS-422 interface card. User also can select optional GPIB and Ethernet interfaces for different remote control requirements.

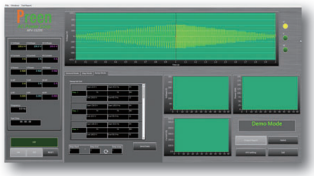
Broader frequency and higher voltage

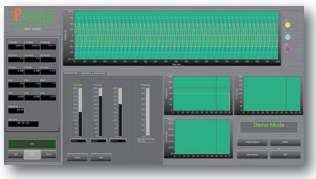
1
UP TO
840Hz

2
UP TO
400V(L-N) or 600V(L-N)

AFV+ series can output optional frequency up to 840Hz to meet the needs of defense and aircraft industries. It can also be used for double frequency test of transformer. Moreover, AFV+ series can output up to 400V(L-N)/690V(L-L) or 600V(L-N)/1039V(L-L) (optional) for motors that need higher input voltage

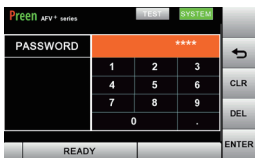
Remote Control Software: Preen Program



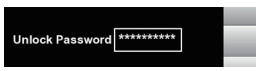


The AFV+ series offers complimentary remote control software, Preen Program. This graphical user interface provides easy settings and user-friendly configurations for users to fully control the unit. The Preen Program includes GENERAL mode or PROGRAMMABLE mode with STEP and RAMP features available. The preview waveform and report functions also greatly enhance convenience for on review parameters and results before or after testing.

Screen lock password function

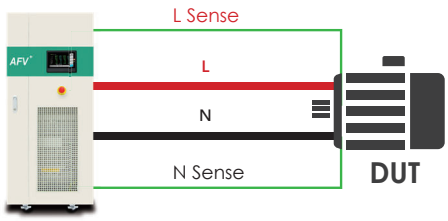


Screen lock password setting page



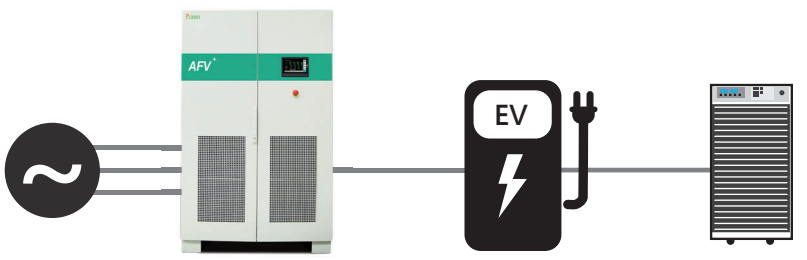
In order to prevent the operator from changing the set parameters by mistake, the new Screen Lock Password function is added on AFV+ series, so that the operator can only perform the output of the device, and only authorized personnel has the password to unlock the screen and edit parameters, which help to increase the security and effectiveness of testing.

Remote voltage drop compensation (Opt.)



In the factory or laboratory, there is often a certain distance in the configuration of power and load. The Remote Voltage Drop Compensation of AFV+ series is able to compensate the voltage drop caused by the cable length, so the user can avoid the inconvenience of adjusting the voltage.

EV charger application case



AFV +Series
High Power Programmable AC Power Source

EV Charger (EUT)

Electronic Load

Before EV charger's ready for installation, it has to do a series of tests to ensure its reliability and safety. For example, input AC characteristic test, control signal test, performance test, safety features etc. are required test items. AFV+ series is the ideal power source to perform high quality and stable EV charger testing.

SPECIFICATIONS

AFV+ Series Single-Phase Output (10kVA - 150kVA)

Model		AFV-PLUS-31010	AFV-PLUS-31015	AFV-PLUS-31020	AFV-PLUS-31030	AFV-PLUS-31045	AFV-PLUS-31060	AFV-PLUS-31075	AFV-PLUS-31100	AFV-PLUS-31120	AFV-PLUS-31150
INPUT											
Phase		3Ø / 3Wire + G									
Voltage[*1]		380 Vac ±15% (option: 200 Vac, 208 Vac, 400 Vac, or 480 Vac)									
Frequency		47 - 63Hz									
Max. Current[*2]		18.8A	28.1A	37.5A	56.3A	84.4A	112.5A	140.7A	198.6A	238.3A	297.9A
Power Factor		≥0.9 (Max. Power)									
OUTPUT											
Power	(VA)	10kVA	15kVA	20kVA	30kVA	45kVA	60kVA	75kVA	100kVA	120kVA	150kVA
Phase		1Ø / 2 Wire + G									
Voltage Ranges	Low (V)	0V-155.0V (L-N)									
	High (V)	0V-310.0V (L-N)									
Voltage Resolution		0.1V									
Voltage Accuracy		0.5% F.S.+ 4 counts									
Frequency Range[*3]		A : 45-500Hz ; B : 45-120Hz									
Frequency Resolution		0.1Hz									
Frequency Accuracy		±0.02% F.S.									
Max. Current (RMS)	Low (A)	83.3A	125A	166.7A	250A	375A	500A	625A	833.3A	1000A	1250A
	High (A)	41.7A	62.5A	83.3A	125A	187.5A	250A	312.5A	416.7A	500A	625A
Line Regulation		< 0.5%									
Load Regulation		≦ 0.5% (Resistive Load)									
Total Harmonic Distortion (THD)[*4]		≦ 0.5% (Resistive Load)									
Response Time		≦ 1ms									
Crest Factor		≥3									
MEASUREMENT											
Voltage Range		0V-310.0V									
Voltage Resolution		0.1V									
Voltage Accuracy		0.5% F.S.+ 4 counts									
Frequency Range		45.0-500.0Hz									
Frequency Resolution		0.01Hz									
Frequency Accuracy		±0.02% F.S.									
Current Range (RMS)		0 - 83.3A	0 - 125A	0 - 166.7A	0 - 250A	0 - 375A	0 - 500A	0 - 625A	0 - 833.3A	0 - 1000A	0 - 1250A
Current Resolution (RMS)		0.1A									
Current Accuracy (RMS)		0.5% F.S.+4 counts									
Power Range		0 - 10kW	0 - 15kW	0 - 20kW	0 - 30kW	0 - 45kW	0 - 60kW	0 - 75kW	0 - 100kW	0 - 120kW	0 - 150kW
Power Resolution		0.1kW									
Power Accuracy		1% F.S.+6 counts									
GENERAL											
Efficiency		≥90% at Max. Power							≥85% at Max. Power		
HMI		Touch Screen, 7" Color TFT LCD									
Program Mode		STEP : 24 sets / 255 cycles. (Volt./Freq./Time) RAMP : 12 sets / 255 cycles. (Volt./Freq./Time)									
Soft Start		Setting : Rated Volt. / Rated Freq. / Start Volt. / Start Freq. / Delay Time / Ramp Time									
Protection		Input : N.F.B, Over Voltage, Under Voltage, Output : Over Voltage, Over Current, Reverse Current, Over Temperature									
Remote Interface		Standard : RS-485 / RS-422 / RS-232 Option : GPIB, Ethernet									
Opertional Temperature		0°C~45°C									
Humidity		0~90% (Non condensing)									
Altitude		< 1,500m									
Dimensions (H x W x D) [*5]		1045 x 628 x 840 mm (Including wheel)	1440 x 628 x 840 mm (Including wheel)			1645 x 828 x 840 mm (Including wheel)		1900 x 1178x 1200 mm			
		41.1 x 24.7 x 33.1inch (Including wheel)	56.7 x 24.7 x 33.1 inch (Including wheel)			64.8 x 32.6 x 33.1 inch (Including wheel)		74.8 x 46.4 x 47.2 inch			
Weight [*5]		230kg	280kg	320kg	450kg	580kg	670kg	710kg	980kg	1135kg	1415kg
		104.3lbs	127.0lbs	145.1lbs	204.1lbs	263.0lbs	303.9lbs	322.0lbs	444.4lbs	514.7lbs	641.7lbs

*1 Please contact us for other input voltage specifications. *2 The max. current is based on rated input voltage of 380V. *3 For type A: 45~500Hz, please contact us for output power characteristic curve.
*4 When the output voltage is at Low : 90 - 140V or High 180 - 280V with load power factor of 1. * All specifications are subject to change without notice. The specifications are tested at ambient temperature of 25°C ± 5°C.
*5 Dimensions and weight are for input voltage 380V. Please contact us for dimensions and weight for other input voltage.

SPECIFICATIONS

AFV+ Series Three-Phase Output (10kVA - 120kVA)

Model		AFV-PLUS-33010	AFV-PLUS-33015	AFV-PLUS-33020	AFV-PLUS-33030	AFV-PLUS-33045	AFV-PLUS-33060	AFV-PLUS-33075	AFV-PLUS-33100	AFV-PLUS-33120
INPUT										
Phase		3Ø / 3Wire + G								
Voltage*1		380Vac ±15% (option: 200 Vac, 208 Vac, 240Vac, 400Vac, or 480 Vac)								
Frequency		47 - 63Hz								
Max. Current*2		18.8A	28.1A	37.5A	56.3A	84.4A	112.5A	140.7A	198.6A	238.3A
Power Factor		≥0.9 (Max. Power)								
OUTPUT										
Power	(VA)	10kVA	15kVA	20kVA	30kVA	45kVA	60kVA	75kVA	100kVA	120kVA
Phase		3Ø / 4 Wire + G								
Voltage Ranges	Low(V)	0V-155.0V (L-N)								
	High(V)	0V-310.0V (L-N)								
Voltage Resolution		0.1V								
Voltage Accuracy		0.5% F.S.+4 counts								
Frequency Range *3		A : 45-500Hz ; B : 45-120Hz								
Frequency Resolution		0.1Hz								
Frequency Accuracy		±0.02% F.S.								
Max. Current (RMS)	Low(A)	27.8A	41.7A	55.6A	83.3A	125A	166.7A	208.3A	277.8A	333.3A
	High(A)	13.9A	20.8A	27.8A	41.7A	62.5A	83.3A	104.2A	138.9A	166.7A
Line Regulation		< 0.5%								
Load Regulation		≦ 0.5% (Resistive Load)								
Total Harmonic Distortion (THD) *4		≦ 0.5% (Resistive Load)								
Response Time		≦ 1ms								
Crest Factor		≥3								
MEASUREMENT										
Voltage Range		0V-310.0V								
Voltage Resolution		0.1V								
Voltage Accuracy		0.5% F.S.+4 counts								
Frequency Range		45.0-500.0Hz								
Frequency Resolution		0.01Hz								
Frequency Accuracy		±0.02% F.S.								
Current Range(RMS)		0 - 27.8A	0 - 41.7A	0 - 55.6A	0 - 83.3A	0 - 125A	0 - 166.7A	0 - 208.3A	0 - 277.8A	0 - 333.3A
Current Resolution(RMS)		0.1A								
Current Accuracy(RMS)		0.5% F.S.+4 counts								
Power Range		0 - 10kW	0 - 15kW	0 - 20kW	0 - 30kW	0 - 45kW	0 - 60kW	0 - 75kW	0 - 100kW	0 - 120kW
Power Resolution		0.1kW								
Power Accuracy		1% F.S.+6 counts								
GENERAL										
Efficiency		≥90% at Max. Power							≥85% at Max. Power	
HMI		Touch Screen, 7" Color TFT LCD								
Program Mode		STEP : 24 sets / 255 cycles. (Volt./Freq./Time) RAMP : 12 sets / 255 cycles. (Volt./Freq./Time)								
Soft Start		Setting : Rated Volt. / Rated Freq. / Start Volt. / Start Freq. / Delay Time / Ramp Time								
Three Phase Independent Adjustment		U-N/V-N/W-N, Adjustment 0-310V								
Protection		Input : N.F.B, Over Voltage, Under Voltage, Output : Over Voltage, Over Current, Reverse Current, Over Temperature								
Remote Interface		Standard : RS-485/RS-422/RS-232 Option : GPIB, Ethernet								
Opertional Temperature		0°C~45°C								
Humidity		0~90% (Non condensing)								
Altitude		< 1,500m								
Dimensions (H x W x D) *5		1045 x 628 x 840 mm (Including wheel)	1440 x 628 x 840 mm (Including wheel)			1645 x 828 x 840 mm (Including wheel)		1900 x 1178x 1200 mm		
		41.1 x 24.7 x 33.1inch (Including wheel)	56.7 x 24.7 x 33.1 inch (Including wheel)			64.8 x 32.6 x 33.1 inch (Including wheel)		74.8 x 46.4 x 47.2 inch		
Weight *5		280kg	305kg	360kg	400kg	560kg	670kg	960kg	1170kg	1450kg
		617.4lbs	672.5lbs	793.8lbs	882.0lbs	1234.8lbs	1477.4lbs	2116.8lbs	2579.9lbs	3197.3lbs

*1 Please contact us for other input voltage specifications. *2 The max. current is based on rated input voltage of 380V. *3 For type A: 45~500Hz, please contact us for output power characteristic curve.

*4 When the output voltage is at Low : 90 - 140V or High 180 - 280V with load power factor of 1. * All specifications are subject to change without notice. The specifications are tested at ambient temperature of 25°C ± 5°C

*5 Dimensions and weight are for input voltage 380V. Please contact us for dimensions and weight for other input voltage.

SPECIFICATIONS

AFV+ Series Three-Phase Output (150kVA - 2000kVA)

Model		AFV-PLUS-33150	AFV-PLUS-33200	AFV-PLUS-33300	AFV-PLUS-33400	AFV-PLUS-33500	AFV-PLUS-33600	AFV-PLUS-33800	AFV-PLUS-331000	AFV-PLUS-331200	AFV-PLUS-331500	AFV-PLUS-332000
INPUT												
Phase		3Ø / 3Wire + G										
Voltage[*1]		380Vac ±15% (option: 400Vac, 240Vac or 480Vac)										
Frequency		47 - 63Hz										
Max. Current[*2]		297.9	397.2	629.1	838.8	1048.5	1258.3	1677.7	2097.1	2516.5	3145.6A	4194.2A
Power Factor		≥0.9（Max. Power）										
OUTPUT												
Power	(VA)	150kVA	200kVA	300kVA	400kVA	500kVA	600kVA	800kVA	1000kVA	1200kVA	1500kVA	2000kVA
Phase		3Ø / 4 Wire + G										
Voltage Ranges	Low(V)	0V-155.0V（L-N）										
	High(V)	0V-310.0V（L-N）										
Voltage Resolution		0.1V										
Voltage Accuracy		0.5% F.S.+4 counts										
Frequency Range[*3]		A : 45-500Hz ; B : 45-120Hz										
Frequency Resolution		0.1Hz										
Frequency Accuracy		±0.02% F.S.										
Max. Current (RMS)	Low(A)	416.7A	555.6A	833.3A	1111.1A	1388.9A	1666.7A	2222.2A	2777.8A	3333.3A	4166.7A	5555.6A
	High(A)	208.3A	277.8A	416.7A	555.6A	694.4A	833.3A	1111.1A	1388.9A	1666.7A	2083.3A	2777.8A
Line Regulation		< 0.5%										
Load Regulation		≦ 0.5% (Resistive Load)										
Total Harmonic Distortion (THD)[*4]		≦ 0.5% (Resistive Load)										
Response Time		≦ 1ms										
Crest Factor		≥3										
MEASUREMENT												
Voltage Range		0V-310.0V										
Voltage Resolution		0.1V										
Voltage Accuracy		0.5% F.S.+4 counts										
Frequency Range		45.0-500.0Hz										
Frequency Resolution		0.01Hz										
Frequency Accuracy		±0.02% F.S.										
Current Range (RMS)		0 - 416.7A	0 - 555.6A	0 - 833.3A	0 - 1111.1A	0 - 1388.9A	0 - 1666.7A	0 - 2222.2A	0 - 2777.8A	0 - 3333.3A	0 - 4166.7A	0 - 5555.6A
Current Resolution (RMS)		0.1A										
Current Accuracy (RMS)		0.5% F.S.+4 counts										
Power Range		0 - 150kW	0 - 200kW	0 - 300kW	0 - 400kW	0 - 500kW	0 - 600kW	0 - 800kW	0 - 1000kW	0 - 1200kW	0 - 1500kW	0 - 2000kW
Power Resolution		0.1kW										
Power Accuracy		1% F.S.+6 counts										
GENERAL												
Efficiency		≥85% at Max. Power										
HMI		Touch Screen, 7" Color TFT LCD										
Program Mode		STEP : 24 sets / 255 cycles. (Volt./Freq./Time) RAMP : 12 sets / 255 cycles. (Volt./Freq./Time)										
Soft Start		Setting : Rated Volt. / Rated Freq. / Start Volt. / Start Freq. / Delay Time / Ramp Time										
Three Phase Independent Adjustment		U-N/V-N/W-N, Adjustment 0-310V										
Protection		Input : N.F.B, Over Voltage, Under Voltage, Output : Over Voltage, Over Current, Reverse Current, Over Temperature										
Remote Interface		Standard :RS-485/RS-422/RS-232 Option : GPIB, Ethernet										
Opertional Temperature		0°C~45°C										
Humidity		0~90% (Non condensing)										
Altitude		< 1,500m										
Dimensions (H x W x D)[*5]		1900 x 1178x 1200 mm		2050x 3881x 1539mm		2050 x 4716 x 1520 mm		2050 x 6003 x 1520 mm		2200 x 10827 x1590 mm	2200 x 12990 x1590 mm	
		74.8 x 46.4 x 47.2inch		80.7 x 152.8 x 60.6inch		80.7 x 185.7 x 59.8inch		80.7 x 236.3 x 59.8inch		86.6 x 426.3 x 62.6inch	86.6 x 511.4 x 62.6 inch	
Weight[*5]		1835kg	2415kg	3620kg	4670kg	5820kg	7720kg	9240kg	11080kg	16800kg	18720kg	19950kg
		832.2lbs	1095.2lbs	1641.7lbs	2117.9lbs	2639.5lbs	3501.1lbs	4190.5lbs	5024.9lbs	7619.0lbs	8489.8lbs	9047.6lbs

*1 Please contact us for other input voltage specifications. *2 The max. current is based on rated input voltage of 380V. *3 For type A: 45~500Hz, please contact us for output power characteristic curve.

*4 When the output voltage is at Low : 90 - 140V or High 180 - 280V with load power factor of 1. * All specifications are subject to change without notice. The specifications are tested at ambient temperature of 25°C ± 5°C.

*5 Dimensions and weight are for input voltage 380V. Please contact us for dimensions and weight for other input voltage.

ORDERING INFORMATION

AFV + Series Single-Phase Output (10kVA - 150kVA)

Model Number	Description
AFV-PLUS-31010	High Power Programmable AC Power Source (10kVA/300V/45-65Hz)
AFV-PLUS-31015	High Power Programmable AC Power Source (15kVA/300V/45-65Hz)
AFV-PLUS-31020	High Power Programmable AC Power Source (20kVA/300V/45-65Hz)
AFV-PLUS-31030	High Power Programmable AC Power Source (30kVA/300V/45-65Hz)
AFV-PLUS-31045	High Power Programmable AC Power Source (45kVA/300V/45-65Hz)
AFV-PLUS-31060	High Power Programmable AC Power Source (60kVA/300V/45-65Hz)
AFV-PLUS-31075	High Power Programmable AC Power Source (75kVA/300V/45-65Hz)
AFV-PLUS-31100	High Power Programmable AC Power Source (100kVA/300V/45-65Hz)
AFV-PLUS-31120	High Power Programmable AC Power Source (120kVA/300V/45-65Hz)
AFV-PLUS-31150	High Power Programmable AC Power Source (150kVA/300V/45-65Hz)
AFV-PLUS-001	Type A: Output Frequency 45-500Hz
AFV-PLUS-002	Type B: Output Frequency 45-120Hz
AFV-PLUS-003	Type C : Output Frequency 300-840Hz
AFV-PLUS-004	Phase Angle 0-360°
AFV-PLUS-005	Overload Capability 200% 2 sec, 150% 5 sec, 125% 15 sec
AFV-PLUS-006	Fast Voltage Response Option (with Time Setting Resolution 0.01S)
AFV-PLUS-007	Analog Control Interface
AFV-PLUS-008	GPIB Interface
AFV-PLUS-009	Ethernet Interface
AFV-PLUS-011	Remote Sensing
AFV-PLUS-012	Input Voltage 200V
AFV-PLUS-013	Input Voltage 208V
AFV-PLUS-014	Input Voltage 240V
AFV-PLUS-015	Input Voltage 400V
AFV-PLUS-016	Input Voltage 480V
AFV-PLUS-017	Output Voltage 0-400V (L-N)
AFV-PLUS-018	Output Voltage 0-600V (L-N)

AFV + Series Three-Phase Output (10kVA - 2000kVA)

Model Number	Description
AFV-PLUS-33010	High Power Programmable AC Power Source (10kVA/300V/45-65Hz)
AFV-PLUS-33015	High Power Programmable AC Power Source (15kVA/300V/45-65Hz)
AFV-PLUS-33020	High Power Programmable AC Power Source (20kVA/300V/45-65Hz)
AFV-PLUS-33030	High Power Programmable AC Power Source (30kVA/300V/45-65Hz)
AFV-PLUS-33045	High Power Programmable AC Power Source (45kVA/300V/45-65Hz)
AFV-PLUS-33060	High Power Programmable AC Power Source (60kVA/300V/45-65Hz)
AFV-PLUS-33075	High Power Programmable AC Power Source (75kVA/300V/45-65Hz)
AFV-PLUS-33100	High Power Programmable AC Power Source (100kVA/300V/45-65Hz)
AFV-PLUS-33120	High Power Programmable AC Power Source (120kVA/300V/45-65Hz)
AFV-PLUS-33150	High Power Programmable AC Power Source (150kVA/300V/45-65Hz)
AFV-PLUS-33200	High Power Programmable AC Power Source (200kVA/300V/45-65Hz)
AFV-PLUS-33300	High Power Programmable AC Power Source (300kVA/300V/45-65Hz)
AFV-PLUS-33400	High Power Programmable AC Power Source (400kVA/300V/45-65Hz)
AFV-PLUS-33500	High Power Programmable AC Power Source (500kVA/300V/45-65Hz)
AFV-PLUS-33600	High Power Programmable AC Power Source (600kVA/300V/45-65Hz)
AFV-PLUS-33800	High Power Programmable AC Power Source (800kVA/300V/45-65Hz)
AFV-PLUS-331000	High Power Programmable AC Power Source (1000kVA/300V/45-65Hz)
AFV-PLUS-331200	High Power Programmable AC Power Source (1200kVA/300V/45-65Hz)
AFV-PLUS-331500	High Power Programmable AC Power Source (1500kVA/300V/45-65Hz)
AFV-PLUS-332000	High Power Programmable AC Power Source (2000kVA/300V/45-65Hz)
AFV-PLUS-001	Type A: Output Frequency 45-500Hz
AFV-PLUS-002	Type B: Output Frequency 45-120Hz
AFV-PLUS-003	Type C : Output Frequency 300-840Hz
AFV-PLUS-004	Phase Angle 0-360 °
AFV-PLUS-005	Overload Capability 200% 2 sec, 150% 5 sec, 125% 15 sec
AFV-PLUS-006	Fast Voltage Response Option (with Time Setting Resolution 0.01S)
AFV-PLUS-007	Analog Control Interface
AFV-PLUS-008	GPIB Interface
AFV-PLUS-009	Ethernet Interface
AFV-PLUS-010	Phase Angle Control
AFV-PLUS-011	Remote Sensing
AFV-PLUS-012	Input Voltage 200V
AFV-PLUS-013	Input Voltage 208V
AFV-PLUS-014	Input Voltage 240V
AFV-PLUS-015	Input Voltage 400V
AFV-PLUS-016	Input Voltage 480V
AFV-PLUS-017	Output Voltage 0-400V (L-N)
AFV-PLUS-018	Output Voltage 0-600V(L-N)