

AFX SERIES

High Performance Programmable AC & DC Power Sources





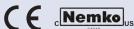












"Advanced, All Digital Power Conversion Technology"









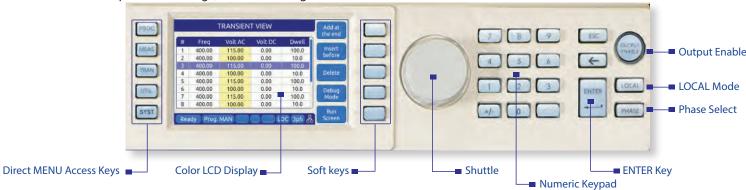


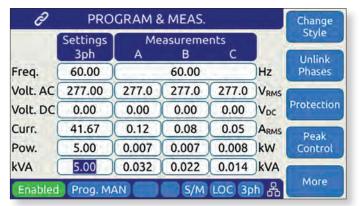


Powerful yet Easy to Use

Although the AFX Series of programmable AC and DC power sources offer a wide range of operating modes and features, they are easy to operate through a large color touch screen LCD display and soft key driven menus.

Top level menus are accessible by pressing any of the five menu keys on the left of the display. Entering setup data is accomplished using the numeric keypad or the shuttle. Operating status is shown on screen using various colors to distinguish between setting, measurements and operator warnings, or error messages.







Output Program & Measurement Screen

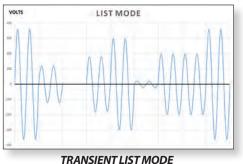
Measurement Only Screen

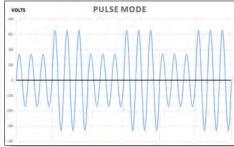
Transient Programming

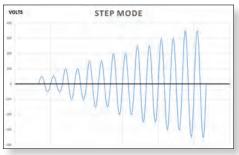
Voltage, Waveform and Frequency output transients are easily created from the front panel using an intuitive spreadsheet style data entry method. Data may be entered for a specific phase or for all three phases at the same time. Transients are supported in AC, DC and AC+DC modes of operation.

The AFX Series supports LIST, PULSE and STEP Mode Transient Types. The user can select the most appropriate type from the front panel or the web browser interface. The images below illustrate the three modes graphically. Transients can be stored in non-volatile memory and easily edited as needed from the front panel. Transient programming and execution can also be accomplished using the built-in web browser interface.









TRANSIENT PULSE MODE

TRANSIENT STEP MODE



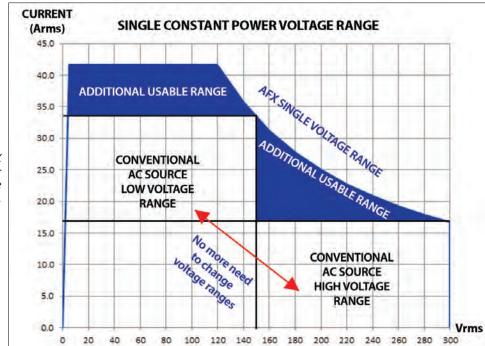


Constant Power Mode AC and DC Voltage Ranges

Many AC power sources use dual voltage ranges to provide either high voltage or high current but not at the same time. By contrast, the AFX Series uses a single voltage range that operates along a constant power curve. This provides both more current at lower voltages and higher voltage at lower currents. A single voltage range eliminates the need to switch between two voltage ranges, thus providing a much wider operating range. This expanded operating area is shown as the blue area in the figure below.

Switching between two voltage ranges on an AC source causes the output to be turned **off** while the output state is reconfigred, resulting in the EUT likely shutting down. This makes it difficult to test universal wide input range AC products. The blue line and shaded area in the chart shows the additional operating range available compared to a conventional AC power source with a 150V/300V range pair.

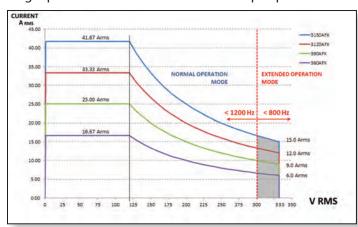
The same applies to DC mode of operation where a constant power 425Vdc voltage range is used to provide both high DC current and DC voltage.



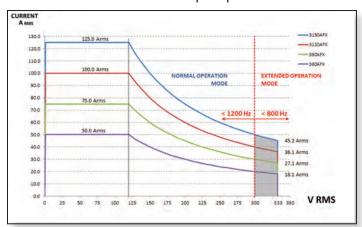
Extended Operating Range for model 3150AFX (15kVA) along a constant 5 kVA per phase power curve for each phase. Other AFX models have same profile but different power & current levels.

Extended Voltage Range Operation to 333Vac LN

Extended range increases the maximum output voltage to 333Vac L-N / 576Vac L-L over a frequency range from 45Hz to 800Hz. This supports over-voltage testing up to 20% of 480V nominal powered equipment. It also allows testing of single phase universal 90V ~ 265V AC input products to 120% of their maximum nominal input specification.



Three Phase Mode Extended Voltage Range Constant Power Profile

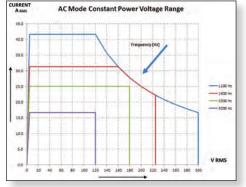


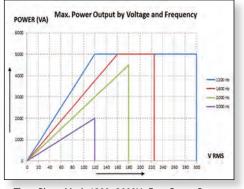
Single Phase Mode Extended Voltage Range Constant Power Profile

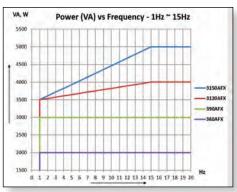


Extended Frequency Range

The available extended frequency range mode allows operation beyond the 15 to 1200 Hz full specification bandwidth. Extended mode allows operation from 1Hz to 3000Hz with some power or voltage derating. The allowable voltage, current and power profiles for three phase mode from 1200~3000Hz are shown in the two left side graphs below. For operation below 15Hz (1~15Hz), only power output is derated as shown in the third graph. As is the case for Extended Voltage mode described above, supplemental voltage distortion specifications apply.







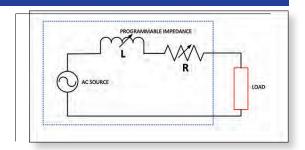
Three Phase Mode 1200~3000Hz Freq. Voltage Range

Three Phase Mode 1200~3000Hz Freq. Range Power

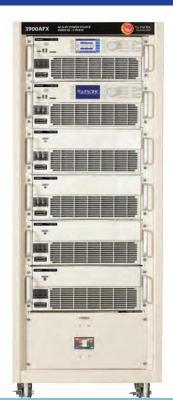
Three Phase Mode 1~15Hz Freq. Range Power

Programmable Output Impedance

Standard programmable Output Impedance (Prog-Z) allows programming of source output R and L impedance. User selectable modes are Real-Time for fast response times or RMS for higher precision. Programmable range values for R and L are the same in both modes. This allows optimal use of programmable output impedance for a wide range of applications.

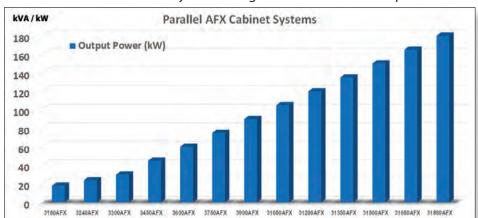


Parallel Operation for High Power Applications



AFX Series power sources support auto-paralleling of two or more units. Paralleled units must have the same power rating. Auxiliary no-controller (AFX-NC) models are available to build cost-effective, high power, parallel systems. Parallel configurations are available in **kit form** for system integrators using their own cabinets. Complete integrated 19" Rack parallel systems are available as well, including input and output power terminals.

Using one 3150AFX master 15kVA unit and five 3150AFX-NC 15kVA Auxiliary units, a 90kVA system fits in a standard height 19" Cabinet. For redundancy purposes, two of the six power sources can be master units as desired. Paralleled AFX Systems will automatically configure as the Master 3150AFX will detect how many other units are connected. Parallel AFX Series system configurations are available up to 180kVA.

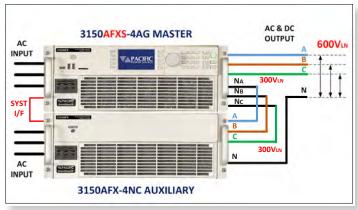




Series Mode Output Configuration (S Option - Not Available in all Regions)

The "S" version of the AFX series allows a pair of AFX power sources to be connected in series to double the available output voltage in both AC and DC modes. This yields output voltages of 600Vac RMS Line to Neutral or 1040Vac Line to Line in three phase mode. In DC mode, ±850Vdc is available. A 30kVA/kW 3300AFXS system is shown below.

For applications where both high and low voltage ranges are required, a Series/Parallel Mode Switch option (SPMS) is available for AFXS Series systems up to 60kVA. The SPMS option allows output wiring configurations to be selected as either series or parallel from the Master unit's front panel, web browser interface or using a bus command from a test program for series systems.



30kVA Series Output Configuration

MODEL	POWER	V RANGE	19" CABINET
3120AFXS	12kVA / kW		28U
3180AFXS	18kVA / kW	0.600.Vac.us	28U
3240AFXS	24kVA / kW	0-600 Vac LN 0-1040 Vac LL	28U
3300AFXS	30kVA / kW	0- ±850 Vdc	28U
3600AFXS	60kVA / kW	0- ±850 Vac	28U
3900AFXS	90kVA / kW		36U
SPMS	Automatic Series and Parallel Mode Configuration Switch. Max. power level is 60kVA.		

Note: Examples shown here are typical bundled configurations. Other configurations and number of units using 6kVA, 9kVA or 12kVA AFXS models are available on request. Contact your local representative or Pacific Power Source for details.

High Voltage Output Transformer (T Option)

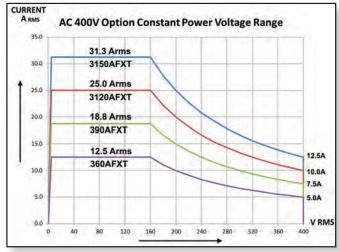
For applications that require an AC output voltage higher than 333Vac LN, an external output transformer option is available. With this T option, an additional AC only mode range is added to the AFX capable of supporting the following output voltage ranges depending on phase mode:

Single Phase Split Phase Three Phase 0-400 VL-N 0-800 VL-L 0-400 VL-N/0-692 VL-L

Standard AC and DC voltage ranges remain available. For voltages higher than 400VL-N, contact factory.

Constant Power Mode

The 400V transformer range has a constant power profile. That means full power is available all the way down to 160 Vac L-N/277 Vac L-L on the 400V range. See V-I profiles chart to the right.



Three Phase Mode 400 V Range Constant Power Profile

T Option - Technical Specifications

ELECTRICAL	SPECIFICATIONS
Output Mode	AC Only. No DC or AC+DC
	modes on T Option range
Voltage Range	0-400 Vac LN / 0-692Vac LL
Resolution	0.01 V
Accuracy	\pm (0.25% + 0.25* f (kHz)) F.S.
Voltage Sense	Auto scales for T option range
Frequency Range	45Hz - 1000Hz
	Derating: Voltage < 45Hz, Current > 1000Hz
Constant Power Mode	From 40% to 100% of V range

SPECIFICATIONS	
is (15kVA rated)	
7.0" x 17.0" x 25.0"	
178 x 482 x 635 mm	
170 lbs. / 77.1 kg	
ns	
Refer to AFX Cabinet Systems	
data sheet	

Note 1: Extended frequency ranges are not supported on this optional AC coupled voltage range.





Technical Specifications

PARAMETERS / FUNCTIONS	SPECIFICATIONS			
OUTPUT VOLTAGE				
Modes	AC, DC, AC+DC, DC+	AC, DC, AC+DC, DC+AC		
Phase Modes	Single Phase (FORM)	1), Split Phase (FORM2	2), Three Phase (FORM	3)
Voltage Ranges	AC: 0 - 300 Vrms LN /	0 - 520 Vrms LL DC:	: 0 - 425 Vdc	
Extended Voltage Ranges	AC: 0 - 333 Vrms LN /	0 - 576 Vrms LL T O	ption: 400V or 600 Se	eries Mode: 0 - 600V
Programming Resolution & Accuracy	0.01 V ± 0.25% Full	l Scale		
Waveforms (Max. = 200)	Sine, Square, Triangle	e, Clipped Sine (THD),	Saw Tooth, Triangle, A	Arbitrary
DC Offset	< 20 mV dc			
Harmonic Distortion (R load)	< 100 Hz < 0.3% 10	00 - 500 Hz < 0.5% 5	500 - 1000 Hz < 1.0%	> 1000 Hz < 1.5%
Switching Noise	< 150 mV RMS DC	to 300 kHz		
Load Regulation	AC Mode: ± 0.02 % (0	CSC Mode ON)	DC Mode: ± 0.02%	(CSC Mode ON)
Line Regulation	AC Mode: < 0.1% for	10% AC Line input ch	ange, < 0.02% with C	SC Mode ON
Voltage Sense - External	External or (Auto) Int	ternal Sense Max. vo	oltage drop 5% of Full	Scale
Output Isolation	550 Vac			
Voltage Slew Rate	Programmable AC	> 1.0 V/μsec DC > 3	3.0 V/μsec	
OUTPUT FREQUENCY				
Frequency Ranges	Standard Range: DC,	15.00 Hz - 1200.0 Hz	Extended Range ¹ 1.	00 Hz <i>-</i> 3000.0 Hz
Programming Resolution & Accuracy	0.01 Hz ± 0.01%	0.01 Hz ± 0.01%		
Output Current				
Current Limit	RMS Mode & Peak Cu	urrent Mode		
Range	RMS: See Model table page 9 Peak Current: 104 Apk/phs max per AFX unit			
Crest Factor	360AFX: 6.3:1 390AFX: 4.16:1 3120AFX: 3.12:1 3150AFX: 2.5:1			
Programming Resolution & Accuracy				
Current Protection Modes	Constant Current (CC) or Output Trip (CV)			
Current Overload Mode	Allows 130% of max.	RMS current for up to	2.0 secs before CP is	triggered when enabled
OUTPUT PHASE ANGLES (FORM2 & FORM3)				
Phase Angle Range & Resolution	0.0° - 359.9° 0.1°			
PROGRAMMABLE IMPEDANCE (Per unit, including parallel units)				
Modes	Real-time mode, RMS mode			
Resistance (R)	1 Phase & 3 Phase:	± 10 Ω	2 Phase:	± 20 Ω
Inductance (L)	1 Phase & 3 Phase:	0 - 2 mH	2 Phase:	0 - 4 mH
PROTECTIONS				
Available Protection Settings	Over Current fold-back or trip Prog. Peak Current Limit Power fold-back or trip App. Power fold-back or trip Over Voltage trip Over Temperature trip			
Over Voltage Protection Range	0 ~ 105% of voltage range			
		er Voltage, ±15% from	_	





^{1:} Power restrictions apply below 15Hz and Voltage and Power restrictions apply above 1200Hz.



Technical Specifications (continued)

PARAMETERS / FUNCTIONS	SPECIFICATIONS			
MEASUREMENTS	Range	Resolution		Accuracy
AC Voltage (Vrms)	0-350VLN/0-600VLL (2)	FP: 10 mV / Bus: 1	mV	± 0.25% F.S.
AC Current (Arms)	See Table page 9	FP: 10 mA / Bus: 1	l mA	± 0.5% F.S. (3)
Current Crest Factor	1.00 - 5.00	FP: 0.01 / Bus: 0	0.001	± 2.0% F.S. (3)
Power (kW)	See Table page 9	FP: 1 W / Bus: 0).1 W	± 1.5% F.S. (4)
Apparent Power (kVA)	See Table page 9	FP: 1 VA / Bus: 0).1 VA	± 1.5% F.S. (4)
Power Factor	0.00 - 1.00 (4)	FP: 0.01 / Bus: 0	0.001	-
DC Voltage (Vdc)	0 – 440 Vdc (5)	FP: 10 mV / Bus: 1	mV	± 0.25% F.S.
DC Current (Idc)	See Table page 9	FP: 10mA / Bus: 1	lmA	± 0.5% F.S. (3)
TRANSIENT FUNCTIONS				
Programming				cy, Volt AC, Volt DC, Wave- , Time resolution 0.2 ms
Execution	Run from step # to st	ep #, Run, Step, Restar	t, Stop	
Program Storage	Non-volatile, 100 Pro	grams + Transients		
ANALOG I/O (DB25 Connector Re	ear Panel)			
Analog Inputs (4)	AI1, AI2, AI3:	Voltage A, B, C	Al4:	Frequency
Range, Accuracy, Impedance	0 - 10Vdc for 0 - F.S.	± 0.1% F.S.	10 kOhm	
Analog Outputs (4)	AO1, AO2, AO3:	Vmeas A, B, C	AO4:	Pmeas All Phases sum
Range, Accuracy, Impedance	0 - 10Vdc for 0 - F.S.	\pm 0.1% F.S. into 5k Ω	5 kOhm	
DIGITAL I/O (DB25 Connector Re	ar Panel)			
Digital Inputs - Fixed (3)	Remote Inhibit, Trans	ient Trigger, Phase Syr	nc	
Digital Inputs - User (3)	DI1, DI2, DI3, Functions are user defined			
Digital Outputs - Open Collector (2)	External Relay Contro	ol to change output FC	DRM, Relay Control f	or T Option
Digital Outputs - TTL, Fixed (2)	Output Relay / Transi	ent / Function Strobe	/ Phase Sync	
Digital Outputs - TTL, User (2)	DO1, DO2			
Output Voltage Levels	Low < 0.4V, High > 4.	6V		
AC MAINS INPUT				
Mains Voltage Input	4 Wire, L1, L2, L3 and PE			
Frequency	47 - 63 Hz			
Input Voltage Range	-2 models:	208 ~ 240Vac ±10%	-4 models:	380 ~ 480Vac ±10%
	360AFX (6kW)	390AFX (9kW)	3120AFX (12kW)	3150AFX (15kW)
Nominal Phase Current -2 @ 208V	23 Arms	33 Arms	43 Arms	51 Arms
Nominal Phase Current -4 @ 400V	13 Arms	18 Arms	24 Arms	27 Arms
Nominal Phase Current -4 @ 480V	11 Arms	14 Arms	20 Arms	23 Arms
Peak Inrush Current	< 1.5 x lrms			
Input Power Factor	> 0.9			
Efficiency	> 85%			

- $2: Voltage\ range\ is\ re\text{-}scaled\ as\ needed\ when\ T\ Option\ unit\ is\ connected$
- 3: For RMS Currents above 2.0 A
- 4: For Power levels above 100 W
- 5: Range = 0 880 Vdc in Split phase mode





Technical Specifications (continued)

PARAMETERS / FUNCTIONS	SPECIFICATIONS				
REMOTE CONTROL INTERFACES					
Standard Interfaces	USB Type B, LAN, GPIB / IEEE488, RS232, all on rear panel				
LAN / Ethernet Interface	LXI compliant, Ether	net, RJ45, TCP/IP Proto	ocol, Telnet Protocol Co	ommand Line	
GPIB Functions	IEEE488,1, IEEE488.2 Functions: SH1, AH1,	(2003 incl., NI HS488) T6, L3, SR1, RL1, DC1,	IEC 60488-1, IEC 6048 DT1	8-2 (2004)	
WIFI (Optional)	Optional external US	B connected WIFI ada	pter available.		
ModBus TCP (Optional)	Uses Power Source"s	LAN interface to conr	nect to CANopen Field	bus	
CAN/CAN-FD (Optional)	Uses USB to CAN-FD	adapter to connect to	CAN network		
ENVIRONMENTAL					
Cooling	Variable speed fan co	ooled, front intake, rea	ar exhaust		
Audible Noise @ 1 meter distance	Standby Mode:	46 dBA	Full Power:	85 dBA typical	
Energy Saving Modes	Standby Mode:	Output Stages OFF	Sleep Mode:	All power stages OFF	
Temperature	Operating:	0 to 40 °C 32 to 104 °F	Storage:	-20 to 70 °C -4 to 158 °F	
Humidity & Altitude	< 80%, non-condensing 2000 m / 6500 feet				
MISC. SYSTEM FEATURES					
Front Panel Display	Full Color, Touch LCD Display, 4.3" Diagonal size, 480 x 272 Pixels resolution				
USB Ports	2 on Front Panel, 1 on Rear Panel, All Type A				
SD Card	32 GB max. Capacity				
Video Output HDMI	Monitor Out, Front Panel				
DIMENSIONS & WEIGHTS					
Chassis Size H x W x D (6)	7.0" x 17.0" x 25.0"		178 x 432 x 635 mm		
Shipping Package Size H x W x D	20" x 27" x 38" 508 x 686 x 965 mm				
Weight Single 4U Height Unit	Net:	111.2 lbs. / 50.4 kg	Shipping:	151 lbs / 68.5 kg	
REGULATORY DATA					
Safety	IEC 61010-1:2010 (Edition 3)				
EMC - Emissions	EN 55011:2009+A1:2010				
EMC - Immunity	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11				
Product Category	EN 61326-1:2013 (Measurement, Laboratory and Control Equipment)				
Agency Approvals	CE Mark, NRTL Nemko US/Canada C C Nemko us				
RoHS (DIRECTIVE 2011/65/EU)	Product Category EN50581:2012				

Footnotes

6: Units can be zero-stacked in 19" EIA cabinet when using optional rack-slides. When using L-brackets, allow 1U space between units.









Model 360AFX - 6kVA/kW

Model 390AFX - 9kVA/kW

Model 3120AFX - 12kVA/kW

Model 3150AFX - 15kVA/kW



Available Standard Model Configurations

AFX Series AC & DC Sources are available in several power levels. Models listed in the table below are rack mount or bench units. Cabinet systems are pre-wired for both input

and output power. For other configurations or power levels and cabinet options, contact factory. All models shown here require three phase AC input power.

MODEL	Phase Mode	Rated Power ⁽¹⁾ AC / DC mode	Voltage Ranges ⁽²⁾ Vac L-N / Vdc	Max. AC/DC Current ⁽²⁾ 3 & 2 Phase Mode	Max. AC/DC Current ⁽²⁾ 1 Phase Mode ⁽³⁾	Form Factor
360AFX	1, 2 & 3 Phase	6 kVA, kW / 6 kW	0-333 Vac / 0-425Vdc	16.7 Arms / 16.7 Adc	50 Arms / 50.0 Adc	4U Chassis
390AFX	1, 2 & 3 Phase	9 kVA, kW / 9 kW	0-333 Vac / 0-425Vdc	25.0 Arms / 21.0 Adc	75 Arms / 62.5 Adc	4U Chassis
3120AFX	1, 2 & 3 Phase	12 kVA, kW / 12 kW	0-333 Vac / 0-425Vdc	33.3 Arms / 21.0 Adc	100 Arms / 62.5 Adc	4U Chassis
3150AFX	1, 2 & 3 Phase	15 kVA, kW / 15 kW	0-333 Vac / 0-425Vdc	41.7 Arms / 21.0 Adc	125 Arms / 62.5Adc	4U Chassis
3180AFX	1, 2 & 3 Phase	18 kVA, kW / 18 kW	0-333 Vac / 0-425Vdc	50.0 Arms / 41.7 Adc	150 Arms / 125.0 Adc	18U Cabinet
3240AFX	1, 2 & 3 Phase	24 kVA, kW / 24 kW	0-333 Vac / 0-425Vdc	66.7 Arms / 41.7 Adc	200 Arms / 125.0 Adc	18U Cabinet
3300AFX	1, 2 & 3 Phase	30 kVA, kW / 30 kW	0-333 Vac / 0-425Vdc	83.3 Arms / 41.7 Adc	250 Arms / 125.0 Adc	18U Cabinet
3450AFX	1, 2 & 3 Phase	45 kVA, kW / 45 kW	0-333 Vac / 0-425Vdc	125.0 Arms / 62.5 Adc	375 Arms / 187.5 Adc	18U Cabinet
3600AFX	1, 2 & 3 Phase	60 kVA, kW / 60 kW	0-333 Vac / 0-425Vdc	166.7 Arms / 83.3 Adc	500 Arms / 250.0 Adc	28U Cabinet
3750AFX	1, 2 & 3 Phase	75 kVA, kW / 75 kW	0-333 Vac / 0-425Vdc	208.3 Arms / 104 Adc	625 Arms ³ / 312.5 Adc	28U Cabinet
3900AFX	1, 2 & 3 Phase	90 kVA, kW / 90 kW	0-333 Vac / 0-425Vdc	250.0 Arms / 125 Adc	750 Arms ³ / 375.0 Adc	28U Cabinet
Higher	For configurations up to 180kVA/kW, contact factory					

Note 1: Rated power shown is for Three Phase or Single Phase mode operation. For Split Phase mode, rated power is 2/3.

 $Note\ 2: Extended\ Voltage\ Range\ Limit.\ Rated\ Currents\ are\ full\ specification, nominal\ values.\ See\ specification\ section\ for\ extended\ operating\ voltage\ ranges.$

Note 3: Contact factory for cabinet output wiring modifications to support single phase AC mode on cabinets above 60kVA.

Unit Dimensions⁽⁴⁾ 19"/ 483 mm 17"/ 432 mm 17"/ 178 mm (4U)

The 3150AFX is designed for bench top or 19" equipment rack operation. Shown with included rack mount handles.

The AFX Rear Panel provides connections for AC Input, AC or DC Output, External Sense, Aux I/O and remote control interfaces. Shown with standard GPIB Interface

 $Note\ 4: Units\ can\ be\ zero-stacked\ in\ 19"\ EIA\ cabinet\ when\ using\ optional\ rack-slides.\ When\ using\ L-brackets,\ allow\ for\ some\ space\ between\ units.$

Safety Cover & Strain Relief Kit Option

An optional Safety Cover and Strain Relief Kit is available. This kit includes covers for AC input connections and AC&DC Output connections. Both covers include wire strain reliefs to prevent accidental release of input or output wiring. This kit is easily installed on the rear panel of the AC Power Source using existing mounting studs. Available for either three phase output configuration or single phase output configuration.

Note that AC input and AC output wiring of adequate gauge and current rating is NOT included in this kit and is to be provided by the end-user or system integrator.





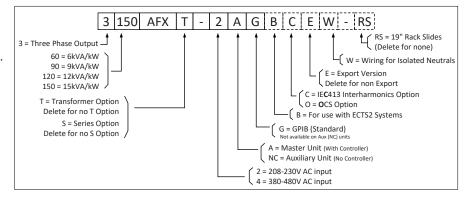
Ordering Information

Standard Models and Cabinet Systems (Refer to Model Number Encoder below)

Bench Models 360AFX 390AFX 3120AFX 3150AFX	Cabinet Systems¹ 3180AFX	Alternate Voltage Range Options S Suffix - 600V Series Output Requires pairs of AFX units T Suffix - 400V Transformer Option Consult factory for other voltage ranges	Master Unit with front panel controller A Controller w/Analog & Digital I/O G GPIB Interface Options
	Systems available up to 180kVA	Input Voltage (V _{IN})	☐ B For use with ECTS2 Test Systems
Auxiliary Models (No controller) 390AFX-2NC / 390AFX-4NC 3120AFX-2NC / 3120AFX-4NC 3150AFX-2NC / 3150AFX-4NC		-2 208V - 240Vac, 3Ø ± 10%, 47-63Hz -4 380V - 480Vac, 3Ø ± 10%, 47-63Hz	C IEC413 Interharmonics Generator DM Dual Master (45kVA or higher models only)
		Export Version	O OCS Output Control SwitchW Wiring Isolated Output Neutrals
		☐ E Append "E" postfix	www.mig isolated Output Neutrals

AFX Series Model Number Encoder:

Note: Solid outlined fields must be specified. Dashed outlined fields are optional.





Single Phase Mode Output **Adapter Option**

Order Example

3150AFX-2AG

- Bench Model, 15 kVA, 3-Phase, AC Power Source with USB, RS232, LAN, GPIB & AUX I/O
- 208Vac 3 Phase Input Voltage

Typical Delivery Items

- AC & DC Power Source
- **English Manuals in PDF Format Rack Mount Handles**
- Certificate of Compliance

Available Accessories

- Output shorting adapter for single phase output mode use. P/N 160086 (see pic.)
- Paralleling Cable, 1 Ft. (*Included with Aux* models). P/N 778036
- Rack slides. P/N 703251

Note 1: Cabinet systems consist of one master unit and one or more auxiliary units integrated into a 19 inch EIA instrument grade cabinet. Includes input and output wiring to rear mounted compression terminal blocks. Shown with optional Emergency Power Off (EPO). Other cabinet options available. Customers that require the use of their own cabinets can order system kits without cabinet. Contact factory for ordering information.

Software Options Windows 10 Software Test Sequences - Avionics(2) Test Sequences - Other(2) PPSC Test Manager Windows Software ABD0100.1.8 - Airbus A380, AC & DC Power Groups IEC Test Suite - Includes IEC 61000-4-11p, IEC 61000-4-14, IEC 61000-4-ABD0100.1.8.1 - Airbus A350, AC & DC Power Groups 27p, IEC 61000-4-28, IEC 61000-4-29p AMD24C - Airbus A400M, AC & DC Power Groups and IEC 61000-4-34 ■ Boeing 787B3-0147 - B787, AC & DC Power Groups MIL-STD 1399-300B - US DoD, Ship-■ MIL-STD704 - US DoD, AC & DC Power Groups board Power, AC Power Groups RTCA-DO160 Section 16, AC & DC Power Groups

Note 2: Test Sequence Options require use of the standard Web Browser Interface via LAN or USB or PPSC Test Manager Windows Software

