

# 400XAC Series

## 3 Phase AC Power Sources



### Overview

Our 400XAC Series of CE marked Automated 3Φ AC Power Sources provide an advanced AC Power Source available in 3Φ output power. When the SmartConfig® option is installed the 400XAC Series can automatically be switched from a 3Φ output to a 1Φ output via the touch of a button. The 400XAC Series consists of two models: the 430XAC is a 3 kVA AC Power Source and the 460XAC is a 6 kVA AC Power Source.

### Features

- Programmable output voltages from 0.0 – 520 VAC (0.0 – 300 VAC per phase)
- Programmable output frequencies from 40.0 – 1000 Hz
- Single phase input power requirements
- Built-in power factor correction (PFC)
- Remote Input & Interlock
- External Trigger Capability
- Single Phase / Three Phase Selectable Output (SmartConfig® Option)
- Advanced monitoring circuits monitor and measure voltage, current, peak current, power, apparent power, reactive power, power factor, and crest factor
- User selectable metering for total power or individual phase power
- 50 built-in memory locations with 9 test steps that can be linked to quickly store and recall test parameters for multiple product testing applications
- Independent transient generations for simulating voltage spikes or dips, brownouts
- Programmable starting & ending angles of the output sine wave
- External voltage sense capability
- Password protection and lockout capability
- NIST traceable calibration certificate (ISO 17025 certificates available)

## ***APT...The Power of Value!***

- ***Industry-leading standard 2-year warranty***
- ***Guaranteed 24-hour shipment or we pay the freight***
  - ***48-hour turnaround on all repairs***
  - ***45-day return policy – no questions asked***



Warranty



Guaranteed Shipment



On All Repairs



Return Policy

# Specifications - 400XAC Series

INPUT		430XAC	460XAC	
Phase		1Φ	1Φ or 3Φ	
Voltage		200 - 240 VAC	1Ø : 200~240 VAC ± 10% 3Ø3W : 200~240 VAC ± 10% 3Ø4W : 346~416 VAC ± 10%	
Frequency		47 - 63 Hz		
AC OUTPUT				
Power rating	1Ø2W	3000 VA	6000 VA	
	1Ø3W	Total 2000 VA (1000 VA per phase)	Total 4000 VA (2000 VA per phase)	
	3Ø4W	Total 3000 VA (1000 VA per phase)	Total 6000 VA (2000 VA per phase)	
	DC	3000 VA	6000 VA	
Max. Current (r.m.s)	1Ø2W	0 - 150 V	27.6 A at <110 V	55.2 A at <110 V
		0 - 300 V	13.8 A at <110 V	27.6 A at <110 V
	1Ø3W	0 - 150 V	9.2 A at <110 V for per phase	18.4 A at <110 V for per phase
		0 - 300 V	4.6 A at <220 V for per phase	9.2 A at <220 V for per phase
	3Ø4W	0 - 150 V	9.2 A at <110 V for per phase	18.4 A at <110 V for per phase
		0 - 300 V	4.6 A at <220 V for per phase	9.2 A at <220 V for per phase
Inrush Current (peak)	1Ø2W	0 - 150 V	110.4 A	220.8 A
		0 - 300 V	55.2 A	110.4 A
	1Ø3W	0 - 150 V	36.8 A for per phase	73.6 A for per phase
		0 - 300 V	18.4 A for per phase	36.8 A for per phase
	3Ø4W	0 - 150 V	36.8 A for per phase	73.6 A for per phase
		0 - 300 V	18.4 A for per phase	36.8 A for per phase
Phase		1Ø2W 1Ø3W 3Ø4W, provided option		
THD (Total Harmonic Distortion)		<0.5% (Resistive Load) at 40.0~70.0 Hz and output voltage within the 80~140 VAC at Low Range or the 160~280 VAC at High Range. <1% (Resistive Load) at 70.1~1000 Hz and output voltage within the 80~140 VAC at Low Range or the 160~280 VAC at High Range.		
Crest Factor		≥ 3		
Line Regulation		± 0.1 V		
Load Regulation (Hardware)		± (1% of output + 1 V) at Resistive Load, < 400 μS response time		
Load Regulation (Software)		± 0.2 V, <1 S response time		
DC offset		≤±5 mV		
Poly-phase mode (3Ø4W) for per phase output setting		430XAC	460XAC	
Voltage	Range	0.0~300 VAC (phase), 0.0~520 VAC (line), 150/300 V Auto Range		
	Accuracy	± (0.2% of setting + 3 counts)		
Frequency	Range	40~1000 Hz Full Range Adjust		
	Accuracy	±0.03% of setting		
Starting & Ending Phase Angle	Range	0~359°		
	Accuracy	±1°(45~65 HZ)		
Current Hi Limit (OC Fold=OFF) OC Fold Back (OC Fold = ON) (*10)	0V~150 V	0.01~9.20 A	0.01~18.40 A	
	0V~300 V	0.01~4.60 A	0.01~9.20 A	
	Accuracy	± (2.0% of setting + 2 counts)		
OC Fold Back Response Time		< 1.4 s		
Ramp-Up Timer (second)	Range	0.0~999.9 s		
	Accuracy	± (0.1% + 0.05 sec)		
Ramp-Down Timer (second)	Range	0.0~999.9 s		
	Accuracy	± (0.1% + 0.05 sec)		
Delay Timer	Range	0.5 s~999.9 s 0.1 m~999.9 min 0.1 h~999.9 h		
	Accuracy	± (0.1% + 0.1 sec)		
Dwell Timer	Range	0, 0.5s~999.9h (0=continuous)		
	Accuracy	± (0.1% + 0.1 sec)		

Specifications are preliminary and subject to change

# Specifications - 400XAC Series

Poly-phase mode (3Φ4W) for per phase measurement			430XAC	460XAC
Frequency	Range		0.0-1000 Hz	
	Resolution		0.1 Hz	
	Accuracy		±0.1 Hz (501-1000 Hz Accuracy ±0.2 Hz)	
Voltage	Range		0.0-420.0 V	
	Resolution		0.1 V	
	Accuracy		± (0.2% of reading + 3 counts)	
Current(r.m.s)	Range	L	0.005 A~1.200 A	0.005 A~2.400 A
		H	1.00 A~13.00 A	2.00 A~26.00 A
	Accuracy	L	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 3.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 7.2 A
		H	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 27.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 55.2 A
Current(peak)	Range		0.0 A~38.0 A	0.0 A~76.0 A
	Accuracy		± (1% of reading + 5 counts) at 40.0-70.0 Hz ± (1.5% of reading + 10 counts) at 70.1 - 500 Hz ± (1.5% of reading + 10 counts) at 501 - 1000 Hz and CF<1.5	
Power	Range	L	0.0 W~120.0 W	0.0 W~240.0 W
		H	100 W~1300 W	200 W~2600 W
	Accuracy	L	± (2% of reading +15 counts) at 40.0-500 Hz and PF>=0.2 ± (2% of reading +30 counts) at 501-1000 Hz and PF>=0.5	
		H	± (2% of reading +5 counts) at 40.0-500 Hz and PF>=0.2 ± (2% of reading +15 counts) at 501-1000 Hz and PF>=0.5	
Power Factor	Range		0 - 1.000	
	Accuracy		W / VA ,Calculated and displayed to three significant digits	
Power Apparent (VA)	Range	L	0.0 VA~120.0 VA	0.0 VA~240.0 VA
		H	100 VA~1300 VA	200 VA~2600 VA
	Accuracy		V×A ,Calculated value	
Power Reactive (Q)	Range	L	0.0 VAR~120.0 VAR	0.0 VAR~240.0 VAR
		H	0 VAR~1300 VAR	0 VAR~2600 VAR
	Accuracy		$\sqrt{(VA)^2 - (W)^2}$ ,Calculated value	
Crest Factor	Range		0 - 10.00	
	Accuracy		Ap / A ,Calculated and displayed to two significant digits	
Poly-phase mode (3Φ4W) for Σ measurement			430XAC	460XAC
Frequency			0.0-1000.0 Hz	
			±0.1 Hz (501-1000 Hz Accuracy ±0.2 Hz)	
Voltage			$(A+B+C)/\sqrt{3}$	
			$(A+B+C)/\sqrt{3}$ , Calculated and displayed to one significant digits	
Current(r.m.s)	Range	L	$(A+B+C)/3$	
		H	$(A+B+C)/3$	
	Accuracy	L	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 3.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 7.2 A
		H	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 27.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 55.2 A

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# Specifications - 400XAC Series

Poly-phase mode (3Ø4W) for Σ measurement		430XAC	460XAC
Current(peak)	Range	N/A	
	Accuracy		
Power	Range	L	A Power + B Power + C Power
		H	A Power + B Power + C Power
	Accuracy	L	A Power + B Power + C Power, Calculated value
		H	
Power Factor	Range	0 - 1.000	
	Resolution	0.001	
	Accuracy	SUM P / SUM VA , Calculated and displayed to three significant digits	
Power Apparent (VA)	Range	L	A VA + B VA + C VA
		H	A VA + B VA + C VA
	Accuracy	L	A VAR + B VAR + C VAR , Calculated value
		H	
Power Reactive (Q)	Range	L	A VAR + B VAR + C VAR
		H	A VAR + B VAR + C VAR
	Accuracy	L	A VAR + B VAR + C VAR, Calculated value
		H	
Crest Factor	Range	N/A	
	Accuracy		
Single-phase mode (1Ø2W) Setting		430XAC	460XAC
Voltage	Range	0.0~300 VAC, 150/300 V Auto Range	
	Resolution	0.1 V	
	Accuracy	±(0.2% of setting + 3 counts)	
Frequency	Range	40~1000 Hz Full Range Adjust	
	Resolution	0.1 Hz at 40.0~99.9 Hz , 1 Hz at 100~1000 Hz	
	Accuracy	±0.03% of setting	
Starting & Ending Phase Angle	Range	0~359°	
	Resolution	1°	
	Accuracy	±1°(45~65 HZ)	
Current Hi Limit (OC Fold=OFF)	0V~150V	0.01~27.60 A	0.01~55.20 A
	0V~300V	0.01~13.80 A	0.01~27.60 A
OC Fold Back (OC Fold = ON)	Accuracy	± (2.0% of setting + 2 counts)	
OC Fold Back Response Time		< 1.4 s	
Ramp-Up Timer (Second)	Range	0.0~999.9 s	
	Accuracy	± (0.1% + 0.05 sec)	
Ramp-Down Timer (second)	Range	0.0~999.9 s	
	Accuracy	± (0.1% + 0.05 sec)	
Delay Timer		0.5 s~999.9 s 0.1 m~999.9 min 0.1 h~999.9 h	
Dwell Timer		0, 0.5 s~999.9 h (0=continuous)	
Single-phase mode (1Ø2W) measurement		430XAC	460XAC
Frequency	Range	0.0~1000 Hz	
	Accuracy	±0.1 Hz (501~1000 Hz Accuracy ±0.2 Hz)	
Voltage	Range	0.0~420.0 V	
	Accuracy	± (0.2% of reading + 3 counts)	
Current(r.m.s)	Range	0.05 A~39.00 A	0.05 A~78.00
	Accuracy	± (1% of reading +5 counts) at 40.0~500 Hz ± (1% of reading +5 counts) at 501~1000 Hz and CF<1.5 *Current (peak) ≤ 82.8 A	± (1% of reading +5 counts) at 40.0~500 Hz ± (1% of reading +5 counts) at 501~1000 Hz and CF<1.5 *Current (peak) ≤ 165.6 A
Current(peak)	Range	0.0 A~114.0 A	0.0 A~228.0 A
	Accuracy	± (1% of reading + 5 counts) at 40.0~70.0 Hz ± (1.5% of reading + 10 counts) at 70.1~500 Hz ± (1.5% of reading + 10 counts) at 501~1000 Hz and CF<1.5	
Power	Range	0 W~3900 W	0 W~7800 W
	Accuracy	± (2% of reading +5 counts) at 40.0~500 Hz and PF>=0.2 ± (2% of reading +15 counts) at 501~1000 Hz and PF>=0.5	
Power Factor	Range	0 - 1.000	
	Accuracy	W / VA , Calculated and displayed to three significant digits	

# Specifications - 400XAC Series

Single-phase mode (1Ø2W) measurement		430XAC	460XAC	
Power Apparent	Range	0 VA~3900 VA	0 VA~7800 VA	
	Accuracy	V×A ,Calculated value		
Power Reactive (Q)	Range	0 VAR~3900 VAR	0 VAR~7800 VAR	
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ ,Calculated value		
Crest Factor	Range	0 - 10.00		
	Accuracy	Ap / A ,Calculated and displayed to two significant digits		
Poly-phase mode (1Ø3W) for per phase output setting		430XAC	460XAC	
Voltage	Range	0.0~300 VAC (phase), 0.0~600 VAC (line), 150/300 V Auto Range		
	Accuracy	±(0.2% of setting + 3 counts)		
Frequency	Range	40~1000 Hz Full Range Adjust		
	Accuracy	±0.03% of setting		
Starting & Ending Phase Angle	Range	0~359°		
	Accuracy	±1°(45~65 Hz)		
Current RI Limit (OC Fold=OFF) OC Fold Back (OC Fold = ON)	0V~150V	0.01~9.20 A	0.01~18.40 A	
	0V~300V	0.01~4.60 A	0.01~9.20 A	
	Accuracy	± (2.0% of setting + 2 counts)		
OC Fold Back Response Time		< 1.4 s		
Ramp-Up Timer (Second)	Range	0.0~999.9 s		
	Accuracy	± (0.1% + 0.05 sec)		
Ramp-Down Timer (second)	Range	0.0~999.9 s		
	Accuracy	± (0.1% + 0.05 sec)		
Delay Timer	Range	0.5 s~999.9 s		
		0.1 m~999.9 min		
		0.1 h~999.9 h		
Accuracy	± (0.1% + 0.1 sec)			
Dwell Timer	Range	0, 0.5 s~999.9 h (0=continuous)		
	Accuracy	± (0.1% + 0.1 sec)		
Poly-phase mode (1Ø3W) for per phase measurement		430XAC	460XAC	
Frequency	Range	0.0-1000 Hz		
	Accuracy	±0.1 Hz (501-1000 Hz Accuracy ±0.2 Hz)		
Voltage	Range	0.0-420.0 V		
	Accuracy	± (0.2% of reading + 3 counts)		
Current (r.m.s)	Range	L	0.005 A~1.200 A	0.005 A~2.400 A
		H	1.00 A~13.00 A	2.00 A~26.00 A
	Accuracy	L	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 3.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 7.2 A
		H	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 27.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 55.2 A
Current (peak)	Range	0.0 A~38.0 A	0.0 A~76.0 A	
	Accuracy	± (1% of reading + 5 counts) at 40.0-70.0 Hz ± (1.5% of reading + 10 counts) at 70.1-500 Hz ± (1.5% of reading + 10 counts) at 501-1000 Hz and CF<1.5		
Power	Range	L	0.0 W~120.0 W	0.0 W~240.0 W
		H	100 W~1300 W	200 W~2600 W
	Accuracy	L	± (2% of reading +15 counts) at 40.0-500 Hz and PF>=0.2 ± (2% of reading +30 counts) at 501-1000 Hz and PF>=0.5	
		H	± (2% of reading +5 counts) at 40.0-500 Hz and PF>=0.2 ± (2% of reading +15 counts) at 501-1000 Hz and PF>=0.5	
Power Factor	Range	0 - 1.000		
	Accuracy	W / VA ,Calculated and displayed to three significant digits		
Power Apparent (VA)	Range	L	0.0 VA~120.0 VA	0.0 VA~240.0 VA
		H	100 VA~1300 VA	200 VA~2600 VA
	Accuracy	V×A ,Calculated value		
Power Reactive (Q)	Range	L	0.0 VAR~120.0 VAR	0.0 VAR~240.0 VAR
		H	0 VAR~1300 VAR	0 VAR~2600 VAR
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ ,Calculated value		

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# Specifications - 400XAC Series

Poly-phase mode (1Ø3W) for per phase measurement		430XAC	460XAC	
<b>Crest Factor</b>	Range	0-10.00		
	Accuracy	Ap / A ,Calculated and displayed to two significant digits		
Poly-phase mode (1Ø3W) for L1-L2 measurement		430XAC	460XAC	
<b>Frequency</b>	Range	0.0-1000.0 Hz		
	Accuracy	± 0.1 Hz (501-1000 Hz Accuracy ± 0.2 Hz)		
<b>Voltage</b>	Range	L1 Voltage + L2 Voltage		
	Accuracy	L1 Voltage + L2 Voltage, Calculated and displayed to one significant digits		
<b>Current(r.m.s)</b>	Range	L	(L1 Current + L2 Current)/2	
		H	(L1 Current + L2 Current)/2	
	Accuracy	L	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 3.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 7.2 A
		H	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 27.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz and CF<1.5 *Current (peak) ≤ 55.2 A
<b>Current(peak)</b>	Range	N/A		
	Accuracy			
<b>Power</b>	Range	L	L1 Power + L2 Power	
		H	L1 Power + L2 Power	
	Accuracy	L	L1 Power + L2 Power, Calculated value	
		H		
<b>Power Factor</b>	Range	0 - 1.000		
	Accuracy	(L1 P + L2 P) / (L1 VA + L2 VA) ,Calculated and displayed to three significant digits		
<b>Power Apparent (VA)</b>	Range	L	L1 VA + L2 VA	
		H	L1 VA + L2 VA	
	Accuracy	L	L1 VA + L2 VA ,Calculated value	
		H		
<b>Power Reactive (Q)</b>	Range	L	L1 VAR + L2 VAR	
		H	L1 + VAR + L2 VAR	
	Accuracy	L	L1 VAR + L2 VAR ,Calculated value	
		H		
<b>Crest Factor</b>	Range	N/A		
	Accuracy			
<b>DC OUTPUT</b>				
<b>Max. Power</b>		3000 W	6000 W	
<b>Max. Current</b>	0-210 V	14.4 A	28.8 A	
	0-420 V	7.2 A	14.4 A	
<b>Ripple and Noise (RMS)</b>		Range: 5-210 V < 700 mV Range: 5-420 V < 1100 mV		
<b>Ripple and Noise (p-p)</b>		< 4.0 Vp-p		
<b>DC SETTINGS</b>				
<b>Voltage</b>	Range	0-210 V / 0-420 V Selectable		
	Accuracy	± (0.2% of setting + 3 counts)		
<b>Current Hi Limit (OC Fold=OFF)</b>	5 V-210 V	14.40 A	0.10 - 28.80 A	
	5 V-420 V	7.20 A	0.10 - 14.40 A	
<b>OC Fold Back (OC Fold = ON)</b>	Accuracy	± (2.0% of setting + 2 counts)		
<b>OC Fold Back Response Time</b>		< 1.4 s		
<b>Ramp-Up Timer (second)</b>	Range	0.0~999.9 s		
	Accuracy	± (0.1% + 0.05 sec)		
<b>Ramp-Down Timer (second)</b>	Range	1.0~999.9 s		
	Accuracy	± (0.1% + 0.05 sec)		
<b>Delay Timer</b>	Range	0.5 s~999.9 s		
		0.1 m~999.9 min		
		0.1 h~999.9 h		
Accuracy	± (0.1% + 0.1 sec)			
<b>Dwell Timer</b>	Range	0, 0.5 s~999.9 h (0=continuous)		
	Accuracy	± (0.1% + 0.1 sec)		

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# Specifications - 400XAC Series

DC MEASUREMENT		430XAC	460XAC
Voltage	Range	0.0-420.0 V	
	Accuracy	±(0.2% of setting + 3 counts)	
Current	Range	0.05 A~19.50 A	0.05 A~39.00 A
	Accuracy	± (1% of reading +5 counts)	
Power	Range	0 W~3900 W	0 W~7800 W
	Accuracy	± (2% of reading +5 counts)	
<b>Protection</b>			
Software OCP		Over Current 110% of full rated current>1 second	
Hardware OFL		The single unit Hardware OFL:Over Current 105 ~110% of full load. 3.3 second time constant. 15 second reaction from off state with 110% load and software disabled	
Output Short Shut Down Speed		<1 second	
Software OPP		When over Power 100 ~ 110% of full power >5 second. When over Power >110% of full power <1 second.	
Software OTP		Temperature over 110 degree C on the power amp and PFC heatsink	
Software OVP		Output voltage range: 0~150 V, maximum voltage deviation +5 V Output voltage range: 0~300 V maximum voltage deviation +10 V	
Software LVP		When output maximum voltage deviation -10 V >1 second.	
<b>General</b>			
Transient (only for 40~70 Hz)		Trans-Volt 0.0-300.0 V Resolution 0.1 V Trans-Site 0°~359° Resolution 1° Trans-Time 0.5-999.9 mS Resolution 0.1 mS Trans-Cycle 0-9999, 0-Constant	
Operation Key Feature		Soft key, Numeric key, Rotary Knob.	
Remote Input Signal		Test, Reset, Interlock (*12), Recall program memory 1 through 7	
Remote Output Signal		Pass, Fail , Test-in Process	
Key Lock		Yes, Password Driven	
Memory		50 memories, 9 steps/memory	
Ext Trigger		START / END / BOTH / OFF in the Program mode, Output Signal 5 V ,BNC type	
Alarm Volume Setting		Range: 0-9 ;0=OFF, 1 is softest volume, 9 is loudest volume.	
Graphic Display		240 x 64 dot resolution Monographic LCD /Contrast 9 Levels 1-9	
PFC		PF ≥ 0.97 at Full load	
Efficiency		≥78% (at Full load)	
Auto Loop cycle		0 = Continuous, OFF, 2~9999	
Over Current Fold Back		On/Off, Setting On when output current over setting Hi-A value it will fold back output voltage to keep constant output current is setting Hi-A value, Response time <1400ms	
Safety		CE	
Dimension		430(W) x 400.5(H) x 500(D) mm	
Weight		105.8 lbs (48 kg)	125.6 lbs (57 kg)
Operation Enviroment		0-40°/20-80% RH	

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# ***APT...The Power of Value!***

*AC Power Sources for All Applications*

**400XAC Series** 3 Phase AC Power Sources €€

**300XAC Series** Modular AC Power Sources €€

**7000 Series** Automated AC Power Sources €€

**6000 Series** Automated AC Power Sources

**5000 Series** Manual AC Power Sources

**LS Series** Linear AC Power Sources €€

**VariPLUS** Power Converter €€ Model 104 Only

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