

Powering Production.[™]



Circa 1070 El

OUR STORY

Since 1978 EEC has been providing AC Power Sources for the power conversion industry. Our commitment to quality, innovation, and customer service has helped set the expectation for the industry. In 2020 we introduced the 8500 Series Power Source, the world's highest power density single phase AC Source. As of 2021 we joined the Ikonix Family to become an Ikonix brand, where we continued to innovate and shape the power conversion industry.

CUSTOMER HAPPINESS PROMISE

We aim to provide an amazing experience and quality testers that last a long time. If you're not satisfied with your power source, return it within 45 days for a full refund. Calibrate annually with us, or one of our authorized partners, and we'll extend your warranty an additional year for the service life of your power source, and at least five years after discontinuation. If it breaks during that time, we promise to fix it for free (unless abuse or excessive damage is present). When your power source reaches the end of its service life, we'll responsibly recycle it and give you a discount on a replacement.

*Annual calibration and inspection must be made in each successive year starting one year after the original purchase date in order to remain eligible for extended warranty coverage beyond the standard warranty period (five years).

5 YEAR WARRANTY

Your new power source is warranted to be free from defects in workmanship and material for a period of (5) years from date of shipment.

**5 year warranty is valid on any model purchased in 2021 or after.

ONGOING SUPPORT

We work to provide the best service and support in the industry. With decades of industry experience we are the pros you can trust to help you be compliant to NRTL standards. We'll work closely with you to help you achieve your goals. We've built a worldwide network of knowledgeable partners, so you're covered no matter where you are.











A TIMELINE OF OUR HISTORY

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CAPABILITIES & FEATURES

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PRODUCT REFERENCE CHART

	Output Power Capability						Output Configurations		
Model	500 VA	1.25 kVA	2 kVA	3 kVA	4 kVA	6 kVA	1 Phase	Split 1 Phase (2 Lines/1 Neutral)	3 Phase
430XAC				•			٠	٠	٠
460XAC						•	٠	٠	٠
8505	٠						٠		
8512		٠					٠		
8520			٠				٠		
8530				٠			٠		
8540					٠		٠		
8560						•	٠		

	Outp	ut Capabilities of	V, Hz & A	Ge	neral Feat	ures
Model	Voltage Output Max	Frequency Output Range	Max A @ ≤110V/220V (per phase)	PC Control	CE Mark	Free GUI Available
430XAC	300/600/520*	40-1000	9.2A/4.6A	٠	٠	٠
460XAC	300/600/520*	40-1000	18.4A/9.2A	•	٠	•
8505	310	5.0-1200	5.0A/2.5A	•	٠	٠
8512	310	5.0-1200	12.5A/6.25A	٠	٠	•
8520	310	5.0-1200	20A/10A	٠	٠	•
8530	310	5.0-1200	30A/15A	٠	٠	•
8540	310	5.0-1200	40A/20A	•	٠	٠
8560	310	5.0-1200	60A/30A	•	٠	•

 $\begin{aligned} x2 &= the number of sources required to achieve an output rating. \\ x3 &= the number of sources required to achieve an output rating and 3 phase. \\ 300/600/520^* &= 300V phase 10, 600V split 10, 520V 30 \end{aligned}$



BROWSE OUR POWER SOURCES

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8500 Series

Programmable AC Power Source

The EEC 8500 Series is the most power dense and functionality rich power source in our history, giving you improved capability, functionality, and a reduced footprint all in one series. This series is manufactured for simulating common grid faults, voltage dips, and other power abnormalities. The 8500 Series provides an output voltage up to 310 VAC and an output frequency ranging from 5 Hz – 1,200 Hz making it the obvious solution for all kinds of applications. Not to mention, an enhanced interface to all models completely designed with the enduser in mind. Our 8500 Sources can be configured as a simple AC Power Source in Standard mode or, as an upgraded option, Programmable mode. Programmable mode adds the benefits of a sweep of voltage, frequencies, transients, and DC bias over the course of a single sequence or several different tests. The 8500 Series includes the following models: 8505, 8512, 8520, 8530, 8540, & 8560.



Features

- 14 pre-configured waveforms allow you to simulate nearly any abnormal condition on your DUT by simply selecting the waveform you would like to output.
- With expanded output voltage to 310VAC and output frequency from 5Hz to 1200Hz, the 8500 provides a single, simple solution to meet a wide variety of testing applications.
- Advanced mode option allows you to easily simulate voltage surges, voltage drops, voltage pulses, voltage sweeps, DC bias, and frequency sweeps to help make meeting the specific needs of your testing application easier than it has ever been.
- High power density with a reduced overall footprint offers you the flexibility you need to use your 8500 Series power source in either a bench top or rack mount application.
- Legacy Mode allows you to keep your command set from your 6000, 7000, or 300XAC series.



Applicable Industries





Aerospace

Appliance





Laboratory

Networking





System Integrator

Liahtina



EEC Benefits



Standard USB/RS-232 Interface

Ethernet Interface

Options GPIB Interface





Modes

INPUT	STANDARD MODE	ADVANCED MODE
Manual Operation	٠	٠
PC Interface (USB/LAN standard, optional GPIB)	•	•
PowerTRAC Compatibility	•	•
Voltage, Frequency, Transient, and DC Bias Sweeps		•

Specifications – 8500

			8500 SPEC	IFICATIONS						
		MODEL	8505	8512	8520	8530	8540	8560		
			AC O	UTPUT						
		Phase	1Ø2W							
		Power Rating	500VA	1250VA	2kVA	3kVA	4kVA	6kVA		
		Range	0 - 310V, 155/310V Auto Range							
Voltage		Resolution	0.1V							
		Accuracy		±(0.2% of setting + 3counts) ±(0						
Max. Current		0 - 155V	5A	12.5A	20A	30A	40A	60A		
(r.m.s)1		0 - 310V	2.5A	6.25A	10A	15A	20A	30A		
		Range		C	DC, 5 - 1200Hz F	ull Range Adjus	st			
Frequency		Resolution		0.1Hz a	at 0.0 - 999.9Hz	, 1Hz at 1000 -	1200Hz			
		Accuracy ²		±0.03% of	setting(≥ 15Hz)	, $\pm 0.3\%$ of sett	ing(<15Hz)			
	Total Harr	nonic Distortion (THD) ³		≤ 0.	.3% @ 50/60Hz (Full Resistive Lo	bad)			
		Crest Factor ⁴	≥ 3	≥ 3	≥ 3	2.5	≥ 3	2.5		
	I	nrush Current	4 4 4 3 4 3				3			
	L	ine Regulation	± 0.1V							
	Lo	pad Regulation ⁵	±0.2V,<1s response time							
			DC O	UTPUT						
		Power rating	300W	750W	1200W	1800W	2400W	3600W		
		Range	0 - 420V, 210/420V Auto Range							
Voltage		Resolution			0.1	1V				
		Accuracy	±(0.25	% of setting + 3d	counts)	±(0.2%	% of setting + 6c	ounts)		
Max.		0 - 210V	3.0A	7.5A	12.0A	18.0A	24.0A	36.0A		
(r.m.s)2		0 - 420V	1.5A	3.75A	6.0A	9.0A	12.0A	18.0A		
Ripple		L		< 70	0mV		< 80	0mV		
and Noise (r.m.s)6	Range	Н		< 70	00mV		< 80	0mV		
	Rippl	e and Noise (p-p)6	< 6.0Vp-p < 7.0Vp-p							
	Lo	pad Regulation5			±0.2V,<1s re	sponse time				

Specifications – 8500

		8500 SPE	CIFICATIONS						
	MODEL	8505	8512	8520	8530	8540	8560		
SETTINGS									
Start/End	Range	0-359							
Angle	Resolution	1							
Current Hi	0 - 155V	0.05-5.00A	0.05-12.50A	0.05-20.00A	0.10-30.00A	0.10-40.00A	0.10-60.00A		
Limit	0 - 310V	0.05-2.50A	0.05-2.50A 0.05-6.25A 0.05-10.00A 0.10-15.00A 0.10-20.00A 0.10-30.00A						
(OC Fold=OFF)	Resolution	-		0.0	01A				
OC Fold Back (OC Fold = ON)	Accuracy			± (2.0% of set	ting + 4 counts)				
	OC Fold Back Response Time ⁷			< 1	1.4s				
	Range		1.0 - 999.9	Ph/ 1.0 - 999.9m	/1.0 - 999.9s /0	.2 - 999.9ms			
Time	Resolution	0.1h/ 0.1m/ 0.1s/ 0.1ms							
	Accuracy	± (0.1% + 0.1 h)/ ± (0.1% + 0.1 m)/ ± (0.1% + 0.1 s)/ ± (0.1% + 0.1 ms)							
	Time unit	h, m, s, ms							
	Range	0.1 - 999.9s, 0 = OFF							
	Resolution	0.1s							
Ramp up	Accuracy	\pm (0.1% + 1 Cycle) at Output frequency \leq 10Hz/ \pm (0.1% + 0.1 s) at Output frequency > 10Hz							
		II	NPUT						
	Phase			1Ø			1Ø or 3Ø		
	Voltage	100 - 240 V ± 10% 200 - 240 V ± 10% 200 - 240 V ± 10% 30/4W: 34 416V ± 10					1Ø/3Ø3W: 200-240V±10% 3Ø4W: 346 - 416V ± 10%		
	Max. Current	8A	18A	30A	22A	30A	1Ø :45A/3Ø3W: 38A 3Ø4W: 22A		
	Frequency			50 /	60 Hz				
	Power Factor ⁸	≥ 0.93 ≥ 0.97							

Specifications – 8500

			8500 S	PECFICIATIONS					
MODEL			8505	8512	8520	8530	8540	8560	
			ME	ASUREMENT					
	Ran	ge			0 - 310V, 155/31	0V Auto Range			
Voltage(AC)	Resolu	ition		0.1V					
voitage(AC)	Accura	acy2	±(0.2% of reading + 3counts) at voltage > 5V at voltage > 5V ±(0.2% of reading + 6counts) at voltage > 5V					ling + 6counts) ge > 5V	
	Rang	ge	0 - 420V, 210/420V Auto Range						
Voltage(DC)	Resolution		0.1V						
voitage(DC)	Accuracy2		±(0.	2% of reading + 3	counts) at voltage >	5V	±(0.2% of reading + 6counts) at voltage > 5V		
	5	L	0.050 - 1.200A	0.050 -	5.000A		-		
	Range - Resolution ³ -	Resolution	1.00 - 6.25A	4.00 - 15.62A	4.00 - 25.00A	0.10 - 37.50A	0.10 - 50.00A	0.10 - 75.00A	
		L		0.001A			-		
Current ⁹		Н	0.01A						
		L	± (1% of r	eading + 10counts) at CF < 3	-			
	Accuracy2	Н	± (0.5	$\pm (0.5\% \text{ of reading +8counts}) + (0.5\% \text{ of reading +12counts})$				ounts)	
	Ran	qe			0.0 - 1	200Hz	0	-	
Frequency	Resolu	ition			0.1Hz	/ 1Hz			
	Accur	асу		±0.1	Hz @ 5 - 999.9Hz. /	±1Hz @ 1000 - 12	00Hz		
		L	0.0 - 75.0W	0.0 - 3	800.0W		-		
	Range	Н	60 - 625W	240 - 1563W	240 - 2500W	0 - 3750W	0 - 5000W	0 - 7500W	
		L		0.1W	1		-		
	Resolution	н	1W						
Power10 (AC,DC)	Accuracy	L	\pm (1% of reading +10 counts) at PF \ge 0.35 and voltage $>$ 5V	\pm (2% of reading +15 counts) at PF \geq 0.35 and voltage > 5V			-		
		Н	\pm (1% of reading +5 counts) at PF \ge 0.35 and voltage $>$ 5V	± (1% of readi at PF ≥ 0.35 ar	ng +10 counts) nd voltage > 5V	\pm (1% of reading +20 counts) at PF \geq 0.35 and voltage > 5V			
	Rang	ge	0.000 - 1.000						
Power Factor	Resolu	ıtion	0.001						
	Accur	асу	W/VA, Calculated and displayed to three			ed to three signified	o three significant digits		
	Pango	L	0.0 - 75.0VA	0.0 - 3	00.0VA		-		
	Kange	н	60 - 625VA	240 - 1563VA	240 - 2500VA	0 - 3750VA	0 - 5000VA	0 - 7500VA	
Power Apparent (VA)	D L .:	L		0.1VA			-		
	Resolution	н			1\	Ά			
	Calculated	Formula			$\sqrt{V imes A}$, Calcu	lated value			
	Rang	ge	0.0 - 20.0Apk	0.0 - 50.0Apk	0.0 - 80.0Apk	0.0 - 120.0Apk	0.0 -160.0Apk	0.0 -240.0Apk	
Peak Current	Resolu	ition			0.*	IA	1		
Ivieasurement	Accur	асу		± (0.5% of rea	ding +8counts)		± (0.5% of read	ling +12counts)	
		L	0.0 - 75.0VAR	0.0 - 30	00.0VAR		-		
	Range	Н	60 - 625VAR	240 - 1563VAR	240 - 2500VAR	0 - 3750VAR	0 - 5000VAR	0 - 7500VAR	
Reactive Power		L		0.1VAR			-		
Measurement	Resolution	Н			1V	ΔR			
	Calculated	Formula			$\sqrt{(V\Delta)^2 - (V\Delta)^2}$	Calculated value			
	Pan				0.00	10.00			
Crest Factor	Pocoli	ution			0.00 -	11			
Measurement	A	2001			۱.0	/ ^			
	Accur	acy			Ар	/ A			

Specifications – 8500

8500 SPECFICIATIONS							
	MODEL	8505	8512	8520	8530	8540	8560
		G	ENERAL				
	PLC Remote Control	Input:Out	put ON, Output OF	F/Reset, Output Ver Output: Fail, Te	rify, Interlock,File Re est-in-Process	call M1 through M7	, Trigger
	Rear Input	AC Outlet			Terminal Block		
Std.			10 x 100 (file	x sequence) / MAN	NUAL only 10 file n	o sequence	
Wemory	Adv.	10	00 x 100 (file x sequ	ience) / MANUAL, S	STEP, PULSE only 1	00 file no sequence	e
Sync Signal/	Std.			ON/0	DFF		
Ext Trigger	Adv.		ON / START / ENI	D / BOTH / OFF / E	VENT, Output Sigr	al 5V ,BNC type	
	Display			4.3" TF	T LCD		
	Protection		0	CP, OVP, OPP, OTP,	LVP, RCP and FAN		
	Interface	Standard USB, PLC remote, LAN, Analog / Option GPIB, RS-232					
	Eeciency (at Full load) ¹¹	≥ 74%	≥ 74% ≥ 81% ≥ 84% ≥ 83% ≥ 84%				
	Response Time (Tr/Tf) ¹²	275-400usec (Typical)					
Elect	romagnetic compatibility (EMC)	Complies with the requirements of the following directive and standards. EMC Directive 2014/30/EU EN 55011:2016/A1:2017 (Group 1, Class A), EN 61326-1:2013, EN 61326-2-1:2013, EN 61000-3-11:2000, EN 61000-3-12:2011					
	Safety	Complies with the requirements of the following directive and standards. Low Voltage Directive 2014/30/EU, EN 61010-1					
Op.	/ Non-Op. Temp. / Humidity ¹³			0 to 40°C/-40 to 75	5°C/20 to 80%RH		
[Dimension (W x H x D), mm	430 x 88 x 500	430 x 88 x 500	430 x 88 x 500	430 x 88 x 500	430 x 176 x 500	430 x 176 x 500
	Weight	15KG	15KG	15KG	15KG	28KG	28KG
		STANDAR		5			
Int	erlock Disable Key (1505)	X1					
	USB Cable	X1					
	Shorting bar			X	1		
Р	ower Cord (125Vac/10A)	X1			-		

Specifications subject to change

400XAC

3 Phase AC Power Sources

With a unique feature set and competitive price point, our 400XAC Series provides 3Ø AC power in a single box. Our exclusive SmartCONFIG feature allows you to switch from 1Ø to 3Ø or DC output with the push of a button. This maximizes your investment while giving you the AC power that your application needs. 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

- Exclusive SmartCONFIG feature allows for push button switch of 1Ø, 3Ø, or DC output.
- Single phase input power requirements.
- 50 built-in memory locations with 9 test steps.
- Built-in power factor correction (PFC).
- Advanced metering circuits monitor voltage, current, peak current, power, apparent power, reactive power, power factor, and crest factor.
- External voltage sensing for accurate metering.
- Transient feature simulates voltage variations, brownouts, and transient voltage conditions.
- Programmable starting and ending angle of the output sine wave.
- Rack mount handle kit included.



Applicable Industries





Aerospace

Appliance





Laboratory

Motor

EEC Benefits





Standard

USB/RS-232 Interface

Options

GPIB Interface

Ethernet Interface





INPUT			430XAC	460XAC			
Phase			1Ø	1Ø or 3Ø			
Voltage			200 - 240 VAC	1Ø : 200~240 VAC ± 10% 3Ø3W : 200~240 VAC ± 10% 3Ø4W : 346~416 VAC ± 10%			
Frequency			4	7 - 63 Hz			
AC OUTPUT							
	1	Ø2W	3000 VA	6000 VA			
	1	Ø3W	Total 2000 VA (1000 VA per phase)	Total 4000 VA (2000 VA per phase)			
Power Rating	3	Ø4W	Total 3000 VA (1000 VA per phase)	Total 6000 VA (2000 VA per phase)			
		DC	3000 VA	6000 VA			
		5-150 V	27.6 A @ <110 V	55.2 A @ <110 V			
	1Ø2W	5 - 300 V	13.8 A @ <220 V	27.6 A @ <220 V			
Mary Comment		5 - 150 V	9.2 A @ <110 V for per phase	18.4 A @ <110 V for per phase			
(RMS)	1Ø3W	5 - 300 V	$4.6 \land @ < 220 \lor$ for per phase	9.2 A @ <220 V for per phase			
		5 - 150 V	$9.2 \land @ <110 \lor for per phase$	$18 \wedge 0 \ll 110 \vee \text{for per phase}$			
	3Ø4W	5 - 300 V	$1.6 \land @ < 220 \lor$ for per phase	9.2 A @ <220 V for per phase			
		5 150 V	110.4.0	220 8 A			
	1Ø2W	5 - 150 V	FE 2 A	110 A A			
In much Comment		5-300 V	24.9.4 for por phase	72.4.4 for nor phase			
Inrush Current	1Ø3W	5 - 150 V	10.4.4 for general and	24.0 A for per phase			
(реак)		5-300 V	18.4 A for per phase	36.8 A for per phase			
	3Ø4W	5 - 150 V	36.8 A for per phase	/3.6 A for per phase			
		5 - 300 V	18.4 A for per phase	36.8 A for per phase			
Phase			1Ø2W, 1Ø3W, 3	3Ø4W, provided option			
THD (Total Harmon	ic Distorti	on)	<0.5% (Resistive Load) at 40.0~70.0 H at Low Range or the 1 <1% (Resistive Load) at 70.1~1000 Hz and output voltage with	lz and output voltage within the 80~140 VAC 160-280 VAC at High Range. in the 80~140 VAC at Low Range or the 160~280 VAC at High Range.			
Crest Factor				≥3			
Line Regulation				± 0.1 V			
Load Regula	tion (Harc	dware)	\pm (1% of output +1 V) at Resistive Load, <400 μS response time				
Load Regula	ation (Soft	ware)	± 0.2 V, <1 S response time				
Load Regulation (Software)			$\leq \pm 5 \text{ mV}$				
DC offset			<	≤ ± 5 mV			
DC offset Poly-phase mode (for per phase outp			430XAC	s ± 5 mV 460XAC			
DC offset Poly-phase mode (for per phase outp	3Ø4W) ut setting Range	J	≤ 430XAC 5.0~300 VAC (phase), 8.6~52	s ± 5 mV 460XAC 20 VAC (line), 150/300 V Auto Range			
DC offset Poly-phase mode (for per phase outp Voltage	3Ø4W) ut setting Range Accuracy) /	≤ 430XAC 5.0~300 VAC (phase), 8.6~52 ± (0.2% of s	s ± 5 mV 460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts)			
DC offset Poly-phase mode (for per phase outp Voltage	3Ø4W) ut setting Range Accuracy Range	1	≤ 430XAC 5.0~300 VAC (phase), 8.6~52 ± (0.2% of s 40~1000 Hz	s ± 5 mV 460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) z Full Range Adjust			
DC offset Poly-phase mode (for per phase outp Voltage Frequency	3Ø4W) ut setting Range Accuracy Range Accuracy	,	≤ 430XAC 5.0~300 VAC (phase), 8.6~52 ± (0.2% of s 40~1000 Hz ± 0.03	s ± 5 mV 460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) z Full Range Adjust 3% of setting			
DC offset Poly-phase mode (; for per phase outp Voltage Frequency Starting & Ending	3Ø4W) ut setting Range Accuracy Range Accuracy Range) / /	≤ 430XAC 5.0~300 VAC (phase), 8.6~52 ± (0.2% of s 40~1000 Hz ± 0.02	460XAC 460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0~359°			
DC offset Poly-phase mode (c for per phase outp Voltage Frequency Starting & Ending Phase Angle	3Ø4W) ut setting Aange Accuracy Range Accuracy Range Accuracy	, , , , ,	430XAC 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of g 40-1000 Hz ± 0.0; ± 1°	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) z Full Range Adjust 3% of setting 0-359° (45~65 HZ)			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle	304W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 \	, , , , ,	≤ 430XAC 5.0~300 VAC (phase), 8.6~52 ± (0.2% of s 40~1000 Hz ± 0.02 ± 0	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45~65 HZ) 0.01~18.40 A			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit	3Ø4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V		≤ 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of s 40-1000 Hz ± 0.02 ± 0	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45~65 HZ) 0.01~18.40 A 0.01~2 20 A			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 \v 5V~300 \v Accuracy		≤ 430XAC 5.0~300 VAC (phase), 8.6~52 ± (0.2% of s 40~1000 Hz ± 0.02 ± 0.00 ± 0.00 ± 1°t 0.01~9.20 A 0.01~4.60 A ± (2.0% of s	460XAC 20 VAC (line), 150/300 V Auto Range 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45~65 HZ) 0.01~18.40 A 0.01~9.20 A			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp	3004W) ut setting Range Accuracy Range Accuracy Range SV~150 \ 5V~300 \ Accuracy		≤ 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of s 40-1000 Hz ± 0.02 ± 0.02 ± 0.02 ± 0.02 ± 0.02 ± 1°t 0.01-9.20 A 0.01-4.60 A ± (2.0% of s	460XAC 20 VAC (line), 150/300 V Auto Range 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~9.20 A setting + 2 counts)			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Bamp-Up	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy onse Time		≤ 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of s 40-1000 Hz ± 0.02 ± 0.02 ± 0.02 ± 0.02 ± (0.2% of s ± (0.2% of s) = (0.2%	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) z Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~9.20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Respu Ramp-Up Timer (second)	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 \ 5V~300 \ Accuracy onse Time Range		≤ 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of s 40-1000 Hz ± 0.02 ± 0.02 ± (0.2% of s 40-1000 Hz ± (0.2% of s ± (0.2% of s) ± (0.0% of s) ± (0.0% of s) ± (0.0% of s) 0.01-4.60 A ± (0.0% of s) 0.01-4.60 A 0.01-4.60 A 0.01-	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 22 Full Range Adjust 3% of setting 0-359° (45~65 HZ) 0.01~18.40 A 0.01~20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Voltage Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Ramp-Up Timer (second) Pamp-Down	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy ponse Time Range Accuracy		\leq 430XAC 5.0-300 VAC (phase), 8.6-52 $\pm (0.2\% \text{ of } 40-1000 \text{ Hz} + 0.02\% \text{ Hz} + $	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45~65 HZ) 0.01~18.40 A 0.01~20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Ramp-Up Timer (second) Ramp-Down Timer (second)	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy onse Time Range Accuracy Range		\leq 430XAC 5.0-300 VAC (phase), 8.6-52 $\pm (0.2\% \text{ of } s)$ 40-1000 Hz ± 0.01 ± 0.01 $\pm 1^{\circ}$ 0.01-9.20 A 0.01-4.60 A $\pm (2.0\% \text{ of } s)$ 0.01-4.60 A $\pm (0.1\% \text{ of } s)$ $\pm (0.1\% \text{ of } s)$	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~9.20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Ramp-Up Timer (second) Ramp-Down Timer (second)	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy onse Time Range Accuracy Range Accuracy		≤ 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of s 40-1000 Hz ± 0.02 ± 0.01 ± 0.01 ± 0.01 ± 1° 0.01~9.20 A 0.01~4.60 A ± (2.0% of s 0.01 ± (0.1° ± (0.1° ± (0.1°) ± (0.1° ± (0.1°) ± (0.1°) ± (0.1° ± (0.1°) ± (0.1°) ± (0.1° ± (0.1°) ± (0.1°)	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) at Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~9.20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Respu Ramp-Up Timer (second) Ramp-Down Timer (second) Delay Timer	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 \ 5V~300 \ Accuracy Range Accuracy Range Range		≤ 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of s 40-1000 Hz ± 0.02 ± 0.01 ± 0.01 ± 0.01 ± 1° 0.01-9.20 A 0.01-9.20 A ± (2.0% of s 0.01-4.60 A ± (2.0% of s 0.01 ± (0.1° 1.0.1° 0.1	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) z Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~9.20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Ramp-Up Timer (second) Ramp-Down Timer (second) Delay Timer	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy Danse Time Range Accuracy Range Accuracy Range		≤ 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of s 40-1000 Hz ± 0.02 ± (0.2% of s 40-1000 Hz ± (0.00 Hz ± (0.00 Hz) ± (0.00 H	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) z Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Timer (second) Ramp-Down Timer (second) Delay Timer Dwell Timer	30/4W) ut setting Accuracy Accuracy Accuracy Accuracy 5V~150 V 5V~300 V Accuracy Range Accuracy Range Accuracy Range Accuracy Range			460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 21 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Ramp-Up Timer (second) Ramp-Down Timer (second) Delay Timer Dwell Timer	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy Range Accuracy Range Accuracy Range Accuracy Range			460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Timer (second) Ramp-Down Timer (second) Delay Timer Duwell Timer Poly-phase mode (a measurement	30/4W) ut setting Accuracy Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range	y y y y y y y y y y y y y y		460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 21 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~18.40 A 0.01~9.20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Ramp-Up Timer (second) Ramp-Down Timer (second) Delay Timer Dwell Timer Poly-phase mode (measurement	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range	y y y y y y y y y y y y y y	430XAC 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of st 40-1000 Hz ± 0.01 ± 0.01 ± 0.01 ± 0.01 ± 0.01 ± 0.01 ± (2.0% of st 0.01~4.60 A ± (2.0% of st ± (0.1% 1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 1 0.1 1 0.1 1 0.1 1 0.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 21 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Ramp-Up Timer (second) Ramp-Down Timer (second) Delay Timer Delay Timer Poly-phase mode (measurement	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy 30/4W) fo Range Range		430XAC 430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of st 40-1000 Hz ± 0.01 ± 0.01 ± 1° 0.01-9.20 A 0.01-4.60 A ± (2.0% of st ± (2.0% of st 0.01-4.60 A ± (2.0% of st ± (0.1° ± (0.1° 0.1 1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 1 0.1 1 1 1 1 1 1 1 1 1 1 1 1 <td>460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 21 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01-18.40 A 0.01-20 A setting + 2 counts) <1.4 s</td> 0-999.9 s % + 0.05 sec) 0-999.9 s % + 0.05 sec) setop sec) setop sec) 0-999.9 s % + 0.105 sec) 2-1000 Hz 0.100 Hz 0.1 Hz	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 21 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01-18.40 A 0.01-20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Respond Ramp-Up Timer (second) Ramp-Down Timer (second) Delay Timer Delay Timer Poly-phase mode (measurement	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy Conse Time Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy	<pre></pre>	430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of st 40-1000 Hz ± 0.01 ± 0.01-9.20 A 0.01-9.20 A 0.01-4.60 A ± (2.0% of st ± (0.1% of st 0.01-4.60 A ± (2.0% of st ± (0.1% of st 0.01-4.60 A ± (0.1% of st ± (0.1% of st <tr< td=""><td>440XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~9.20 A setting + 2 counts) <1.4 s</td> 0-999.9 s % + 0.05 sec) 0-999.9 s % + 0.05 sec) setting + 0.1 sec) 2h (0=continuous) 1% + 0.1 sec) 2h (0=continuous)</tr<>	440XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) 2 Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01~18.40 A 0.01~9.20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Respond Ramp-Up Timer (second) Ramp-Down Timer (second) Delay Timer Delay Timer Poly-phase mode (measurement Frequency Voltage	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 \ 5V~300 \ Accuracy Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range	<pre></pre>	430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of st 40-1000 Hz ± 0.01 ± 0.01-9.20 A 0.01-9.20 A 0.01-4.60 A ± (2.0% of st 0.01 0.01-4.60 A ± (0.1%)	460XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) z Full Range Adjust 3% of setting 0-359° (45~65 HZ) 0.01~18.40 A 0.01~20 A setting + 2 counts) <1.4 s			
DC offset Poly-phase mode (for per phase outp Voltage Frequency Starting & Ending Phase Angle Current Hi Limit OC Fold Back Resp Ramp-Up Timer (second) Ramp-Down Timer (second) Delay Timer Dowell Timer Poly-phase mode (measurement Frequency Voltage	30/4W) ut setting Accuracy Range Accuracy Range Accuracy 5V~150 V 5V~300 V Accuracy Range Accuracy Range Accuracy Range Accuracy Range Accuracy Range Resolution Accuracy Range Resolution		430XAC 5.0-300 VAC (phase), 8.6-52 ± (0.2% of s) 40-1000 Hz ± 0.01 ± 0.01 0.01-9.20 A 0.01-9.20 A 0.01-4.60 A ± (2.0% of s) ± (2.0% of s) 0.01 4 (0.1%) 0.01 0.01 4 (0.1%) 0.01	440XAC 20 VAC (line), 150/300 V Auto Range setting + 3 counts) z Full Range Adjust 3% of setting 0-359° (45-65 HZ) 0.01-18.40 A 0.01-9.20 A setting + 2 counts) <1.4 s			

Poly-phase mode	e (3Ø4W) for p		430XAC	460XAC				
	Range	L	0.005 A~1.200 A	0.005 A~2.400 A				
		Н	1.00 A~13.00 A	2.00 A~26.00 A				
	Accuracy		+ (1% of reading +5 counts) at 40.0-500 Hz	+ (1% of reading +5 counts) at 40.0-500 Hz				
	recuracy	L	\pm (1% of reading +5 counts) at 501-1000 Hz	+ (1% of reading +5 counts) at 501-1000 Hz				
Current (RMS)			CF <1.5 and Current (peak) ≤3.6 A	CF <1.5 and Current (peak) ≤7.2 A				
			+ (1% of reading +5 counts) at 40.0-500 Hz	+ (1% of reading +5 counts) at 40.0-500 Hz				
		н	\pm (1% of reading +5 counts) at 501-1000 Hz	+ (1% of reading +5 counts) at 501-1000 Hz				
			CF <1.5 and Current (peak) ≤27.6 A	CF < 1.5 and Current (peak) ≤55.2 A				
	Range		0.0 A~38.0 A	0.0 A~76.0 A				
			+ (1% of roading + 5 counter) at 40.0.70.0 Hz					
Current (peak)	Accuracy		$\pm (1.5\% \text{ of reading} \pm 10 \text{ counts})$	at 70.1 - 500 Hz				
	Accuracy		\pm (1.5% of reading + 10 counts) at 50	1 - 1000 Hz and CE <1.5				
	Range	L	0.0 W~120.0 W	0.0 W~240.0 W				
		Н	100 W~1300 W	200 W~2600 W				
Power	Accuracy	L	± (2% of reading +15 counts) at 40.	0-500 Hz and PF ≥0.2				
			± (2% of reading +30 counts) at 507	1-1000 Hz and PF ≥0.5				
		н	± (2% of reading +5 counts) at 40.0	0-500 Hz and PF ≥0.2				
			± (2% of reading +15 counts) at 501	I-1000 Hz and PF ≥0.5				
Power Factor	Range		0 - 1.000					
	Accuracy		W / VA, Calculated and displayed to	three significant digits				
Power Apparent	Range	L	0.0 VA~120.0 VA	0.0 VA~240.0 VA				
(VA)		Н	100 VA~1300 VA	200 VA~2600 VA				
	Accuracy		VxA Calculated					
Power	Pango	1		0.0.\/AP == + 240.0.\/AP				
Reactive (Q)	Range	L						
		Н	0 VAR ~ ± 1300 VAR	0 VAR ~ ± 2600 VAR				
	Accuracy		√(VA)² - (W)², Calculated value					
Crest Factor	Range	ange 0 - 10.00						
	Accuracy		Ap / A, Calculated and displayed to two significant digits					
Poly-phase mode	e (3Ø4W) for [2	E measurement	430XAC	460XAC				
Poly-phase mode Frequency	a (3Ø4W) for D Range	E measurement	430XAC 0.0-1000.0 Hz	460XAC				
Poly-phase mode Frequency	Range Accuracy	Σ measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu	460XAC z uracy ±0.2 Hz)				
Poly-phase mode Frequency Voltage	(3Ø4W) for 2 Range Accuracy Range	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V	460XAC z uracy ±0.2 Hz)				
Poly-phase mode Frequency Voltage	(3Ø4W) for 2 Range Accuracy Range Calculated Fo	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/√3, Calculated and displayed	460XAC z uracy ±0.2 Hz) d to one significant digits				
Poly-phase mode Frequency Voltage Current (RMS)	Range Accuracy Range Calculated For Range	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/√3, Calculated and displayed 0.005A~1.200A	460XAC 2 uracy ±0.2 Hz) d to one significant digits 0.005A~2.400A				
Poly-phase mode Frequency Voltage Current (RMS)	Range Accuracy Range Calculated For Range	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/√3, Calculated and displayed 0.005A~1.200A 1.00A~13.00A	460XAC 2 uracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A~26.00A				
Poly-phase mode Frequency Voltage Current (RMS)	Range Accuracy Range Calculated Fo Range Calculated	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/√3, Calculated and displayed 0.005A~1.200A 1.00A~13.00A Σ VA +	460XAC 2 uracy ±0.2 Hz) d to one significant digits 0.005A~2.400A 2.00A~26.00A				
Poly-phase mode Frequency Voltage Current (RMS)	Range Accuracy Range Calculated For Range Calculated Formula	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$	460XAC varacy ±0.2 Hz) d to one significant digits 0.005A~2.400A 2.00A~26.00A				
Poly-phase mode Frequency Voltage Current (RMS)	Range Accuracy Range Calculated For Range Calculated Formula	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accord) 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.00W~360.0W	460XAC 2 2 2 3 4 to one significant digits 0.005A-2.400A 2.00A-26.00A 0.00W~720.0W				
Poly-phase mode Frequency Voltage Current (RMS) Power	Range Accuracy Range Calculated For Range Calculated Formula Range	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.0W~360.0W 300W-3900W	460XAC 2 uracy ±0.2 Hz) d to one significant digits 0.005A~2.400A 2.00A~26.00A 0.0W~720.0W 600W~7800W				
Poly-phase mode Frequency Voltage Current (RMS) Power	Range Accuracy Range Calculated For Range Calculated Formula Range	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/\3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.0W~360.0W 300W~3900W	460XAC 2 uracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W~720.0W 600W~7800W				
Poly-phase mode Frequency Voltage Current (RMS) Power	Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accu $0.0-727.5 V$ $(A+B+C)/\sqrt{3}$, Calculated and displayed $0.0727.5 V$ $(A+B+C)/\sqrt{3}$, Calculated and displayed $0.005A-1.200A$ $1.00A-13.00A$ $\frac{\sum VA}{\sum V} / \sqrt{3}$ $0.0W-360.0W$ $300W-3900W$ $\frac{\sum P}{\sum M}$ A Power + B Power + C Power,	460XAC : uracy ±0.2 Hz) d to one significant digits 0.005A~2.400A 2.00A~26.00A 0.0W~720.0W 600W~7800W Calculated value				
Poly-phase mode Frequency Voltage Current (RMS) Power	Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accols) \pm 0.1 Hz (501-1000 Hz Accols) $0.0-727.5 V$ $(A+B+C)/\sqrt{3}$, Calculated and displayed $0.0727.5 V$ $(A+B+C)/\sqrt{3}$, Calculated and displayed $0.005A-1.200A$ $1.00A-13.00A$ $\frac{\sum VA}{\sum V} / \sqrt{3}$ $0.00W-360.0W$ $300W-3900W$ $\frac{\sum P}{\sum VA}$ A Power + B Power + C Power,	460XAC 2. uracy ±0.2 Hz) d to one significant digits 0.005A~2.400A 2.00A~26.00A 0.0W~720.0W 600W~7800W Calculated value				
Poly-phase mode Frequency Voltage Current (RMS) Power Power	Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy Range	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accord) 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.00W~360.0W 300W~3900W $\frac{\sum P}{\sum V}$ A Power + B Power + C Power, 0 - 1.000	460XAC 2. uracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W-720.0W 600W-7800W Calculated value				
Poly-phase mode Frequency Voltage Current (RMS) Power Power	Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy Range Range Range	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accord) 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}^{-1}$ 0.0W~360.0W 300W~3900W $\frac{\sum P}{\sum V}$ A Power + B Power + C Power, 0 - 1.000 0.001	460XAC racy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value				
Poly-phase mode Frequency Voltage Current (RMS) Power Power	Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy Range Resolution Accuracy	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accord) 0.0-727.5 V (A+B+C)/J3, Calculated and displayed 0.00727.5 V (A+B+C)/J3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.0W~360.0W 300W~3900W $\frac{\sum P}{\sum V}$ A Power + B Power + C Power, 0.1000 0.001	460XAC varacy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value three significant digits				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Power Factor	Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy Range Resolution Accuracy Range	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/J3, Calculated and displayed 0.00727.5 V (A+B+C)/J3, Calculated and displayed 0.005A-1.200A 1.00A~13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.0W~360.0W 300W~3900W $\frac{\sum P}{\sum VA}$ A Power + B Power + C Power, 0.01 Calculated and displayed to 0.001 Calculated and displayed to 0.004	460XAC vracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value three significant digits 0.0VA~720.0VA				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Factor Power Apparent (VA)	Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy Range Resolution Accuracy Range	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/J3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.0W~360.0W 300W~3900W $\frac{\sum P}{\sum^{74}}$ A Power + B Power + C Power, 0.01 Calculated and displayed to 0.00VA~360.0VA 300VA~3900VA	460XAC : uracy ±0.2 Hz) to one significant digits 0.005A~2.400A 2.00A~26.00A 0.0W~720.0W 600W~7800W Calculated value three significant digits 0.0VA~720.0VA 600VA~7800VA				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Power Factor Power Apparent (VA)	Range Accuracy Range Calculated For Range Calculated For Range Calculated	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accolspan="2">Accolspan="2">0.0727.5 V (A+B+C)//3, Calculated and displayed 0.0727.5 V (A+B+C)//3, Calculated and displayed 0.005A1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}^{-1}$ 0.00W-360.0W 300W-3900W Calculated and displayed to -1.000 0.01 Calculated and displayed to -0.0VA360.0VA 0.0VA3900VA	460XAC racy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W-720.0W 600W-7800W Calculated value three significant digits 0.0VA~720.0VA 600VA~7800VA				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Factor Power Apparent (VA)	 (3Ø4W) for 2 Range Accuracy Range Calculated Formula Calculated Formula Range Accuracy Range Resolution Accuracy Range Calculated Formula 	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accord) 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.0727.5 V (A+B+C)//3, Calculated and displayed 0.0727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.00W~360.0W 300W~3900W $\frac{\sum P}{\sum V}$ A Power + B Power + C Power, 0.1.000 0.01 Calculated and displayed to 0.0VA~360.0VA 300VA~3900VA	460XAC racy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W-720.0W 600W-7800W Calculated value three significant digits 0.0VA-720.0VA 600VA-7800VA				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Power Factor Power Apparent (VA)	 (3Ø4W) for 2 Range Accuracy Range Calculated Formula Calculated Formula Range Accuracy Range Resolution Accuracy Range Calculated Formula 	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accord) 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.00727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}^{-1}$ 0.0W~360.0W 300W~3900W $\frac{\sum P}{\sum VA}$ A Power + B Power + C Power, 0.1000 0.01 Calculated and displayed to 0.0VA~360.0VA 300VA~3900VA $\sqrt{(\sum W)^2 + (\sum Q)^2}$	460XAC racy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value three significant digits 0.0VA~720.0VA 600VA~7800VA				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Power Factor Power Apparent (VA) Power Reactive (O)	 (3Ø4W) for 2 Range Accuracy Range Calculated Formula Calculated Formula Range Accuracy Range Range Range Calculated Formula Range 	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accord) 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}^{-1}$ 0.0W~360.0W 300W~3900W $\frac{\sum P}{\sum V}$ A Power + B Power + C Power, 0.001 Calculated and displayed to 0.001 Calculated and displayed to 0.001 Calculated and displayed to 0.001 QUA $\sqrt{(\Sigma W)^2 + (\Sigma Q)^2}$ QUAR-360.0VAR	460XAC vracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value three significant digits 0.0VA~720.0VA 600VA~7800VA 0.0VAR~720.0VAR				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Power Factor Power Apparent (VA) Power Reactive (Q)	 (3Ø4W) for 2 Range Accuracy Range Calculated Formula Calculated Formula Range Accuracy Range Resolution Accuracy Range Calculated Formula Range 	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/J3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\sum VA / \sqrt{3}$ 0.0W~360.0W 300W~3900W $\sum V / \sqrt{3}$ </td <td>460XAC urracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value 0.0VA~720.0VA 600VA~720.0VA 600VA~7800VA 0.0VAR~720.0VA 600VAR~7800VA</td>	460XAC urracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value 0.0VA~720.0VA 600VA~720.0VA 600VA~7800VA 0.0VAR~720.0VA 600VAR~7800VA				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Power Factor Power Apparent (VA) Power Reactive (Q)	 (3Ø4W) for 2 Range Accuracy Range Calculated Formula Calculated Formula Range Accuracy Range Resolution Accuracy Range Calculated Formula Range Range Range Range Calculated Formula Range Range Range Calculated Range Range Calculated Range Accuracy 	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/J3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.0W-360.0W 300W-3900W $\frac{\sum P}{\sum VA}$ A Power + B Power + C Power, 0.01 Calculated and displayed to 0.00VA-360.0VA $\sqrt{(\sum W)^2 + (\sum Q)^2}$ 0.0VAR-360.0VAR 300VAR-3900VA	460XAC urracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value 0.0VA~720.0VA 600VA~7800VA 0.0VA~720.0VA 600VA~7800VA				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Power Factor Power Apparent (VA) Power Reactive (Q)	 (3Ø4W) for 2 Range Accuracy Range Calculated Formula Range Accuracy Range Accuracy Range Resolution Accuracy Range Calculated Formula Range Range Range Accuracy Range Calculated Formula Range Accuracy Range Calculated Formula Range Calculated Formula Range Calculated Formula Range Accuracy 	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)/J3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.00W-360.0W 300W-3900W $\frac{\sum P}{\sum V}$ A Power + B Power + C Power, 0.01 Calculated and displayed to 0.00VA-360.0VA $\sqrt{(\sum W)^2 + (\sum Q)^2}$ 0.0VAR-360.0VAR 300VAR-3900VAR $\sqrt{(\sum W)^2 + (\sum Q)^2}$ 0.0VAR-360.0VAR 300VAR-3900VAR	460XAC xrracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value 0.0VA~720.0VA 600VA~7800VA				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Power Factor Power Apparent (VA) Power Reactive (Q) Single-phase mode	 (3Ø4W) for 2 Range Accuracy Range Calculated Formula Range Calculated Formula Range Accuracy Range Resolution Accuracy Range Calculated Formula Range Calculated Formula Range Calculated Accuracy Range Calculated Accuracy Range Calculated Accuracy Calculated Formula Range Accuracy 	E measurement	430XAC 0.0-1000.0 Hz \pm 0.1 Hz (501-1000 Hz Accollow) 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.0727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.00W-360.0W 300W-3900W $\frac{\sum P}{\sum V}$ A Power + B Power + C Power, 0.1000 0.01 Calculated and displayed to 0.0VA-360.0VA 300VA-3900VA $\sqrt{(\sum W)^2 + (\sum Q)^2}$ 0.0VAR-360.0VAR 300VAR-3900VAR A VAR + B VAR + C VAR, Calculated and displayed to	460XAC				
Poly-phase mode Frequency Voltage Current (RMS) Current (RMS) Power Power Factor Power Apparent (VA) Power Reactive (Q) Single-phase mode	 (3Ø4W) for 2 Range Accuracy Range Calculated Formula Range Calculated Formula Range Accuracy Range Range Calculated Formula Range Range Accuracy Range Calculated Formula Range Accuracy Range Calculated Accuracy Range Calculated Formula Range <	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accord 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.00727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.00W-360.0W 300W-3900W $\frac{\sum P}{\sum V}$ A Power + B Power + C Power, 0.1000 0.01 Calculated and displayed to 0.0VA-360.0VA 300VA-3900VA $\sqrt{(\sum W)^2 + (\sum Q)^2}$ 0.0VAR-360.0VAR 300VAR-3900VAR A VAR + B VAR + C VAR, Calculated and displayed to	460XAC raracy ±0.2 Hz) to one significant digits 0.005A-2.400A 2.00A-26.00A 0.0W-720.0W 600W-7800W Calculated value three significant digits 0.0VA-720.0VA 600VA-7800VA 0.0VA-7800VA 4600VAR				
Poly-phase mode Frequency Voltage Current (RMS) Current (RMS) Power Power Factor Power factor Power Reactive (Q) Single-phase mode Voltage	(3Ø4W) for 2 Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy Range Resolution Accuracy Range Calculated Formula Range Calculated Formula Range Calculated Formula Range	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accollow) 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}^{-1}$ 0.0W-360.0W 300W-3900W $\frac{\sum P}{\sum VA}$ A Power + B Power + C Power, 0.1000 0.01 Calculated and displayed to 0.00VA-360.0VA $\sqrt{(\sum W)^2 + (\sum Q)^2}$ 0.0VAR-360.0VAR 300VAR-3900VAR A VAR + B VAR + C VAR, Calculated and displayed to	460XAC uracy ±0.2 Hz) 4 to one significant digits 0.005A-2.400A 2.00A-26.00A 2.00A-26.00A 0.00W~720.0W 600W~7800W Calculated value 0.0VA~720.0VA 600VA~720.0VA 600VA~720.0VA 600VA~720.0VA 600VA~7800VA 460XAC 460XAC				
Poly-phase mode Frequency Voltage Current (RMS) Power Power Factor Power Apparent (VA) Power Reactive (Q) Single-phase mo Voltage	(3Ø4W) for 2 Range Accuracy Range Calculated For Range Calculated Formula Range Accuracy Range Resolution Accuracy Range Calculated Formula Range Calculated Formula Range Calculated Formula Range Range Accuracy Calculated Formula Range Range Accuracy Calculated Formula Range Range Accuracy Range Calculated Formula Range Calculated Formula Range Accuracy Range Accuracy Range Range Accuracy	E measurement	430XAC 0.0-1000.0 Hz ± 0.1 Hz (501-1000 Hz Accu 0.0-727.5 V (A+B+C)//3, Calculated and displayed 0.0727.5 V (A+B+C)//3, Calculated and displayed 0.005A-1.200A 1.00A-13.00A $\frac{\sum VA}{\sum V} / \sqrt{3}$ 0.00W-360.0W 300W-3900W Calculated and displayed to 0.0101 Calculated and displayed to 0.0VA-360.0VA 300VA-3900VA $\sqrt{(\sum V')^2 + (\sum O)^2}$ 0.0VAR-360.0VAR 300VAR-3900VAR A VAR + B VAR + C VAR, Calculated and displayed to 0.0VAR-360.0VAR 300VAR-3900VA A VAR + B VAR + C VAR, Calculated and displayed to 0.0VAR-360.0VAR 300VAR-3900VA A VAR + B VAR + C VAR, Calculated and displayed to 0.0VAR-360.0VAR 300VAR-3900VA A VAR + B VAR + C VAR, Calculated and displayed to </td <td>460XAC uracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value 0.0VA~720.0VA 600VA~7800VA 0.0VAR-720.0VA 600VAR-7800VA 0.0VAR-720.0VAR 600VAR-7800VAR alculated value 460XAC</td>	460XAC uracy ±0.2 Hz) d to one significant digits 0.005A-2.400A 2.00A-26.00A 2.00A-26.00A 0.0W~720.0W 600W~7800W Calculated value 0.0VA~720.0VA 600VA~7800VA 0.0VAR-720.0VA 600VAR-7800VA 0.0VAR-720.0VAR 600VAR-7800VAR alculated value 460XAC				

Single-phase mo	e mode (1Ø2W) Setting		430XAC	460XAC					
Frequency	Range		40~1000 Hz Full Range Adjust						
	Resolution		0.1 Hz at 40.0~99.9 Hz , 1 Hz a	t 100~1000 Hz					
	Accuracy		± 0.03% of settir	ıg					
Starting & Ending	Range		0~359°						
Phase Angle	Resolution		1°						
	Accuracy		± 1°(45~65 HZ)						
	5V~150V		0.01~27.60 A	0.01~55.20 A					
Current Hi Limit	5V~300V		0.01~13.80 A	0.01~27.60 A					
	Accuracy		± (2.0% of setting + 2	counts)					
OC Fold Back Resp	onse Time		< 1.4 s						
Single-phase mo	ode (1Ø2W		430XAC	460XAC					
Frequency	Range		0.0~1000 Hz						
	Accuracy		± 0.1 Hz (501~1000 Hz Accu	racy ±0.2 Hz)					
Voltage	Range		0.0~420.0 V						
	Accuracy		± (0.2% of reading + 3	counts)					
Current (RMS)	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 40.0~500 Hz					
			\pm (1% of reading +5 counts) at 501~1000 Hz, CF <1.5 and Current (peak) ≤82.8 A	\pm (1% of reading +5 counts) at 50 ~1000 Hz, CF <1.5 and 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) a ± (1.5% of reading + 10 counts ± (1.5% of reading + 10 counts) at 50	t 40.0~70.0 Hz) at 70.1~500 Hz 1~1000 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						
Power Apparent	Range		0 VA~3900 VA	0 VA~7800 VA					
	Accuracy		V×A, Calculated va	alue					
Power	Range		0 VAR~3900 VAR	0 VAR~7800 VAR					
Reactive (Q)	Accuracy		√(VA)₂ - (W)₂, Calculate	ed value					
Crest Factor	Range		0 - 10.00						
	Accuracy		Ap / A, Calculated and displayed to	two significant digits					
Poly-phase mod setting	e (1Ø3W) f		430XAC	460XAC					
Voltage	Range		5.0~300 VAC (phase), 10.0~600 VAC (lin	e), 150/300 V Auto Range					
	Accuracy		± (0.2% of setting + 3	counts)					
Frequency	Range		40~1000 Hz Full Range	e Adjust					
	Accuracy		± 0.03% of settir	g					
Starting & Ending	Range		0~359°						
Phase Angle	Accuracy		± 1°(45~65 HZ)						
	5V~150V		0.01~9.20 A	0.01~18.40 A					
Current RI Limit	5V~300V		0.01~4.60 A	0.01~9.20 A					
	Accuracy		± (2.0% of setting + 2	counts)					
OC Fold Back Resp	onse Time		<1.4 s						
Poly-phase mod ment	e (1Ø3W) f		430XAC	460XAC					
	Range		0.0-1000 Hz						
Frequency	Accuracy		± 0.1 Hz (501-1000 Hz Accu	racy ±0.2 Hz)					
	Range		0.0-420.0 V						
Voltage	Accuracy		± (0.2% of reading + 3	counts)					
		L	0.005 A~1.200 A	0.005 A~2.400 A					
	Range	Н	1.00 A~13.00 A	2.00 A~26.00 A					
Current (RMS)		L	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz, CF <1.5 and Current (peak) ≤3.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz, CF <1.5 and Current (peak) ≤7.2 A					
	Accuracy	н	± (1% of reading + 5counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz, CE <1.5 and Current (peak) <27.6 A	± (1% of reading +5 counts) at 40.0-500 Hz ± (1% of reading +5 counts) at 501-1000 Hz, CE <1.5 and Current (peak) <55.2 A					

Poly-phase mode (1Ø3W) for per phase measurement			430XAC	460XAC			
	Range		0.0 A~38.0 A	0.0 A~76.0 A			
Current (peak)	Accuracy		± (1% of reading + ± (1.5% of reading + ± (1.5% of reading + 10 cou	5 counts) at 40.0-70.0 Hz 10 counts) at 70.1-500 Hz unts) at 501-1000 Hz and CF <1.5			
	5	L	0.0 W~120.0 W	0.0 W~240.0 W			
	Range	Н	100 W~1300 W	200 W~2600 W			
Power		L	± (2% of reading +15 cour ± (2% of reading +30 cour	nts) at 40.0-500 Hz and PF ≥0.2 nts) at 501-1000 Hz and PF ≥0.5			
	Accuracy	Н	± (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				
Davies Frankrig	Range		0	- 1.000			
Fower Factor	Accuracy		W / VA, Calculated and dis	played to three significant digits			
	Panga	L	0.0 VA~120.0 VA	0.0 VA~240.0 VA			
Power Apparent (VA)	Kange	Н	100 VA~1300 VA	200 VA~2600 VA			
P.F. C. C. A	Accuracy		VxA, Cal	lculated value			
	Panga	L	0.0 VAR~120.0 VAR	0.0 VAR~240.0 VAR			
Power Reactive (Q)	Range	Н	0 VAR~1300 VAR	0 VAR~2600 VAR			
	Accuracy		√(VA)2 - (W)2	, Calculated value			
Crest Factor	Range		0	-10.00			
	Accuracy		Ap / A, Calculated and dis	splayed to two significant digits			
Poly-phase moc measurement	le (1Ø3W) f	or L1-L2	430XAC	460XAC			
Frequency	Range		0.0-*	1000.0 Hz			
	Accuracy		± 0.1 Hz (501-1000	0 Hz Accuracy ± 0.2 Hz)			
Voltage	Range		0.0)-840.0V			
	Accuracy		L1 Voltage + L2 Voltage, Calculated and displayed to one significant digits				
Current (RMS)	Range	L	0.005A~1.200A	0.005A~2.400A			
		н	1.00A~13.00A	2.00~26.00A			
	Calculated Formula	L	- Σ Σ	<u>Ki</u> <u>v</u>			
Power	Range	1	0 0W~240 0W	0 0W~480 0W			
	nange	н	200W~2600W	400W~5200W			
	Accuracy	1		L			
	-	Н	L1 Power + L2 Po	ower, Calculated value			
Power Factor	Range		0	- 1.000			
	Calculated	-ormula	(L1 P + L2 P) / (L1 VA + L2 VA), Calcular	ted and displayed to three significant digits			
Power Apparent (VA)	Range	L	0.0W~240.0VA	0.0W~480.0VA			
		H	200W~2600VA	± 400W~5200VA			
	Calculated Formula	H	$\sqrt{(\sum^{W})^2 + (\sum^{Q})^2}$	Calculated value			
Power	Range	L	0.0VAR ~ ± 240.0VAR	0.0VAR ~ ± 480.0VAR			
Reactive (Q)		Н	± 200VAR ~ ± 2600VAR	± 400VAR ~ ± 5200VAR			
	Calculated Formula	L H	L1 VAR + L2 VA	AR, Calculated value			
DC OUTPUT							
Max. Power			3000 W	6000 W			
Max. Current	0-21	0 V	14.4 A	28.8 A			
	0-42	20 V	7.2 A	14.4 A			
Ripple and Noise (F	RMS)		Range: 5-	210 V <700 mV			
Bipple and Naise /			Range: 5-4	420 V <1100 mV			
	-μ)		<4	κυ γρ-ρ 			
DC SETTINGS							
Voltage	Range		5-210 V / 5-	420 V Selectable			
	Accuracy		± (0.2% of s	etting + 3 counts)			
	5 V-210 V		14.40 A	0.10 - 28.80 A			
Current Hi Limit	5 V-420 V		7.20 A	0.10 - 14.40 A			
	Accuracy		± (2.0% of s	etting + 2 counts)			
OC Fold Back Resp	onse Time			<1.4 s			

DC MEASUREMENT		430XAC 460XAC					
Voltage	Range	0.0-	420.0 V				
-	Accuracy	± (0.2% of se	tting + 5 counts)				
Current	Range	0.05 A~19.50 A	0.05 A~39.00 A				
	Accuracy	± (1% of rea	ding +5 counts)				
Power	Range	0 W~3900 W	0 W~7800 W				
	Accuracy	± (2% of reading +5 counts)					
PROTECTION							
Software OCP		Over Current 110% of f	ull rated current >1 second				
Output Short Sh	nut Down Speed	<1	second				
Software OPP		When over Power 105 ~ 1	10% of full power >5 second.				
		When over Power >110	% of full power <1 second.				
Software OTP		Temperature over 95 degree C on the power amp and PFC heatsink	Temperature over 120 degree C on the power amp and PFC heatsink				
Software OVP		When output frequency < 100H	lz, maximum voltage deviation + 5V				
	L	When output frequency 101-500	When output frequency 101-500Hz, maximum voltage deviation + 15V				
		When output frequency 501-1000	Hz, maximum voltage deviation + 20V				
		When output frequency < 100H:	z, maximum voltage deviation + 10V				
	н	When output frequency 101-500F When output frequency 501 1000	Hz, maximum voltage deviation + 30V				
Software IVP		When output frequency < 100Hz max	vinum voltage deviation $-5V > 0.5$ second				
Software LVI	L	When output frequency < 100Hz, maximum voltage deviation $-5V > 0.5$ second When output frequency 101-500Hz, maximum voltage deviation $-15V > 0.5$ second					
		When output frequency 501-1000Hz, maximum voltage deviation -20V > 0.5 second					
		When output frequency < 100Hz, maximum voltage deviation -10V > 0.5 second					
	Н	When output frequency 101-500Hz, ma	ximum voltage deviation -30V > 0.5 second				
		When output frequency 501-1000Hz, maximum voltage deviation -40V > 0.5 second					
Reverse Current	Protection (RCP)	Over 75W					
GENERAL							
Transient (only f	or 40~70 Hz)	Trans-Volt 0.0-30	0.0 V Resolution 0.1 V				
		Trans-Site 0~~	359° Resolution 1°				
		Trans-Time 0.5-999.9 mS Resolution 0.1 mS					
Operation Key F	eature	Soft key Nume					
Remote Input Si	anal	Test Peset Interledy Pesell program memory 1 through 7					
Remote Output	Signal	Pass Fail	Test-in Process				
Keylock	Jigha	Voc Pace	award Driven				
Memory		50 memories					
Ext Triggor		START / END / BOTH / OFF in the Pro					
	otting	Page: 0.9 : 0 = OEE 1 is cof	tart volume. 9 is loudest volume				
Graphic Display	etting		graphic LCD/Contrast 9 Lougle 1.9				
			Z at Evil load				
FFC		FF ≥0.7/ >709/ (
Auto Loop cycle	: Id Pack						
Over Current Fo	ла васк	setting Hi-A value, F	Response time <1400ms				
Safety Agency		CE	Listed				
Dimensions (W	x H x D)	430 × 400	J.5 x 500 mm				
		16.93 x 15	р.// х 19.69 in				
Net Weight		105.8 lbs (48 kg)	125.6 lbs (57 kg)				
Operation Envir	onment	0-40°/2	20-80% KH				

Specifications subject to change



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