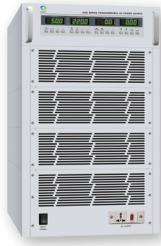


6500 Series High Power Programmable AC Power Source



The 6500 series high power programmable single-phase AC power source features 20kVA output capacity. With 600V output voltage selection and full range adjustable frequency of 45-500Hz, it is capable simulating all kinds of electricity system. The various communication interfaces even help to form the remote control from the central computer.

Key Highlight

- EEC proprietary Over Current Fold (OCF) function that maintains a stable constant output current while adjusting the voltage with often capable to powered up a high demandable capacity DUT without purchasing larger capacity power supply and saving the money.
- Build-in 8 memory set with 5 testing steps individually for different testing condition simulations.
- Ramp-up and Ramp-down function.
- Output 350V voltage, convenient for powering up electric motors (optional).

Protection

Over Current Protection	Over Voltage Protection	Over Power Protection
Over Temperature Protection	Short Current Circuit	Reverse Current Protection (optional)

Safety and Productivity Features

OC Fold	V Sense (optional)

Available Interface

USB	RS-232	ANALOG (optional)	GPIB (optional)

	AC Output	Programmable	3-phase Input	Power Factor Correction circuit	Single-phase Output	350V Output	600V Output
6510	✓	✓	✓	Optional	✓	Optional	Optional
6520	✓	✓	✓	Optional	✓	Optional	Optional

6500 Series Specifications			
MODEL		6510	6520
AC OUTPUT			
Phase		1Ø	
Power Rating		10kVA	20kVA
Voltage	Range	0 - 150V/0 - 300V or 0 - 175V/0 - 350V Selectable (Optional 0 - 350V) or 0 - 300V/0 - 600V Selectable (Optional 0 - 600V)	
	Resolution	0.1V	
	Accuracy ¹	±(1% of setting + 2 counts)	
Max. Current (r.m.s) ²	0 - 150V	84.0A	168.0A
	0 - 300V	42.0A	84.0A
Max. Current (r.m.s) ³ for Optional 0 - 350V	0 - 175V	72.0A	144.0A
	0 - 350V	36.0A	72.0A
Max. Current (r.m.s) ⁴ for Optional 0 - 600V	0 - 300V	42.0A	84.0A
	0 - 600V	21.0A	42.0A
Frequency	Range	45.0 - 70.0Hz/45.0 - 500.0Hz (Optional 45 - 500Hz) Full Range Adjust	
	Resolution	0.1/1Hz	
	Accuracy	± 0.02% of setting	
Total Harmonic Distortion (THD) ⁵		< 1% for 110/220V, 50/60Hz for 300V and Optional 350V at Resistive Load < 1.2% for 220/440V, 50/60Hz for Optional 600V at Resistive Load	
Inrush Current		3 times rated Current (r.m.s)	
Crest Factor		3 times rated Current (r.m.s)	
Line Regulation		± 0.1V	
Load Regulation		±(0.5% of output + 0.5V) at Resistive Load	
Ramp up / Ramp down	Range	0.1 - 999.9s	
	Resolution	0.1s	
	Accuracy	± (0.1% of setting + 0.2s)	
INPUT			
Phase		3Ø4W	
Voltage		220 (L - N)/380Vac (L - L) ±10%	
Max. Current ⁶		25A	50A
Frequency		47 - 63Hz	
Power Factor		0.8	

MODEL		6510	6520
MEASUREMENT			
Voltage	Range		0.0 - 300.0V/0.0 - 600.0V
	Resolution		0.1/0.2V
	Accuracy		±(1% of reading + 2 counts) at Voltage > 5V
Current	Range	L	0.00 - 35.00A
		H	30.0 - 350.0A
	Resolution ⁷	L	0.01A
		H	0.1A
	Accuracy	L	±(1% of reading + 5 counts) ⁸
		H	±(1% of reading + 1 count) ⁸
Current (Optional 0 - 600V)	Range	L	0.00 - 35.00A
		H	30.0 - 350.0A
	Resolution ⁷	L	0.01A
		H	0.1A
	Accuracy	L	±(1% of reading + 5 counts) ⁸
		H	±(1% of reading + 1 count) ⁸
Frequency	Range		45.0 - 850.0Hz
	Resolution		0.1Hz
	Accuracy		±0.1Hz
Power	Range	L	0.000 - 3.500kW
		H	3.00 - 40.00kW
	Resolution	L	0.001kW
		H	0.01kW
	Accuracy	L	±(1.5% of reading + 5 counts) at Voltage > 5V
		H	±(1.5% of reading + 1 count) at Voltage > 5V
GENERAL			
Remote Input Signal Interface		ON/OFF, P1, P2, P3	
Memory		8 Memories, 5steps per memory for Voltage, Frequency, Test Time, Delay time and Current, Power, Hi, Lo Limit setting	
Sync Output Signal		Yes	
Display		4 group pf digital LED displays	
Efficiency		≥ 85% (at Full Load)	
Protection		OCP, OVP, OPP, OTP, LVP, Short Circuit ; Alarm and shutdown	
Interface ⁹		Standard USB & RS232, Optional GPIB & Analog card	
Op./Non-Op. Temp./Humidity		0 to 40°C/-40 to 75°C/20 to 80%RH	

MODEL	6510	6520
Dimension (W x H x D), mm ¹⁰	430 x 472 (579) x 650 (730)	430 x 732 (839) x 650 (730)
Dimension (PFC)(W x H x D), mm ¹⁰	430 x 602 (709) x 650 (730)	430 x 732 (839) x 650 (730)
Weight	128kg	198kg
Weight (PFC)	228kg	350kg

INBOX ACCESSORIES

1224 USB Cable*1

*Product specifications are subject to change without notice

- When output voltage < 30V, ADJ = ON can be meet this spec.
- Maximum current when output voltage at 120/240V.
- Maximum current when output voltage at 140/280V.
- Maximum current when output voltage at 240/480V.
- < 1.2% for < 47Hz at output voltage within the 110 - 140V at Low Range or the 220 - 280V at High Range (incl. 45 - 500Hz).
< 1% for ≥ 47Hz at output voltage within the 110 - 140V at Low Range or the 220 - 280V at High Range (incl. 45 - 500Hz).
< 1.2% for output voltage within the 220 - 280V at Low Range or the 440 - 560V at High Range (option 0 - 600V).
< 1.5% for < 47Hz at output voltage within the 220 - 280V at Low Range or the 440 - 560V at High Range (option 0 - 600V & 45 - 500Hz).
< 1.2% for ≥ 47Hz at output voltage within the 220 - 280V at Low Range or the 440 - 560V at High Range (option 0 - 600V & 45 - 500Hz).
- Max. Current without PFC Function
- When output frequency ≥ 100Hz & ≤ 500Hz & N-G short, the current meter guarantee minimum current from 0.01A.
 - When output frequency ≥ 500Hz & N-G short, the current meter guarantee minimum current from 0.02A.
 - When output frequency ≥ 100Hz & ≤ 500Hz & N-G short, the current meter guarantee minimum current from 0.02A at 600V models.
 - When output frequency ≥ 500Hz & N-G short, the current meter guarantee minimum current from 0.03A at 600V models.
- At Voltage > 5V for 0 - 300V; At Voltage > 10V for 0 - 600V (Optional).
- Only one interface can be selected among RS232 & USB, Analog & GPIB interface card.
- Figure in parentheses are maximum values with fixture stand.

Models

- 6510 High Power Programmable AC Power Source
0 - 300V/45 - 70Hz (10kVA)
- 6510P High Power Programmable AC Power Source
0 - 300V/45 - 70Hz (10kVA) with PFC
- 6520 High Power Programmable AC Power Source
0 - 300V/45 - 70Hz (20kVA)
- 6520P High Power Programmable AC Power Source
0 - 300V/45 - 70Hz (20kVA) with PFC

Options

- OPT.109 Replace RS232 Interface by GPIB Interface
- OPT.608 Output Voltage 600V for 6510, 6520 & Models with PFC
- OPT.616 Output Frequency 45 - 500Hz for 6510 & 6510P
- OPT.650 Remote Sensing
- OPT.668 Suppression Input Voltage
- OPT.671 RCP Function for 6510, 6520 & Models with PFC
- OPT.673 Earthquake Proof
- OPT.674 Output Voltage 350V