



**1Ø , 40KVA**

**600(W)x978(H)x900(D)mm**

#### **6500 Series Programmable AC Power Source**

- 6500 Series 1Ø Output, Output power 2KVA-40KVA
- Wide ranges of output voltages and frequencies (0-300V, 45-500 Hz) for all types of AC supply conditions.
- Precise output voltages with a low distortion over full ranges of output in less than 1%.
- Crest Factor of 3:1
- Utilize PWM technology and compact design; small size, light in weight and high efficiency.
- 4 groups of large digital LED displays to display Frequency, Voltage, Current and Power or Power Factor measurement simultaneously.
- Storage up to 8 memories and 5 steps to store high/low limit settings on voltage, frequency, current, power and power factor.
- Capable to perform loop cycle testing up to 999900 cycles.
- Test time can be adjusted in seconds, minutes or hours.
- Able to connect via PLC Remote Control, including remote setting of three memories.
- Line and load regulation circuits to provide consistent set output voltage when input voltage varies and high inrush current UUT for example motors or compressors.
- Built-in Input Power Factor Correction (PFC) for Three Phase Input Only.
- Fast recovering time on all types of UUT.
- Protection circuits for overload, short circuit and over temperature
- GPIB/RS-232 Interface (Option)

# Specifications

Model	6502	6503	6505	6510	6520	6530	6540
<b>INPUT</b>							
Phase	1Ø			3Ø			
Voltage	230Vac±15%			220/380Vac±10%			
Frequency	47-63Hz						
<b>OUTPUT</b>							
Power rating	2KVA	3KVA	5KVA	10KVA	20KVA	30KVA	40KVA
Current	0-150V	16.8A	25.2A	42.0A	84.0A	168.0A	336.0A
	0-300V	8.4A	12.6A	21.0A	42.0A	84.0A	168.0A
Phase	1Ø2W						
Voltage	Range	0-150V/0-300V Selectable					
	Resolution	0.1V					
	Accuracy	±(1% of setting +0.2V)					
Frequency	Range	45-500Hz					
	Resolution	0.1Hz at 45-99.9Hz , 1Hz at 100-500Hz					
	Accuracy	± 0.02% of setting					
Waveform Distortion	≤ 1% at 45-500Hz (Resistance Load)						
Crest Factor	≥ 3						
Load Regulation	±(0.5%+0.5V) at Resistance Load						
<b>MEASUREMENT</b>							
Frequency	Range	0.0-500.0Hz					
	Resolution	0.1Hz					
	Accuracy	±0.1Hz					
Voltage	Range	0.0-300.0V					
	Resolution	0.1V					
	Accuracy	±(1% of reading +0.2V)					
Current	Range	L	0.000-3.500A	0.00-35.00A			
		H	3.00-35.00A	30.00-350.0A			
	Resolution	L	0.001A	0.01A			
		H	0.01A	0.1A			
	Accuracy	L	±(1% of reading +0.005A)	±(1% of reading +0.02A)			
		H	±(1% of reading +0.01A)	±(1% of reading +0.1A)			
Power	Range	L	0.0-350.0W	0.000-3.500KW			
		H	300-4000W	3.00-40.00KW			
	Resolution	L	0.1W	0.001KW			
		H	1W	0.01KW			
	Accuracy	L	±(1.5% of reading +0.5W)	±(1.5% of reading +0.005KW)			
		H	±(1.5% of reading +1W)	±(1.5% of reading +0.01KW)			
Power Factor	Range	0.000-1.000					
	Resolution	0.001					
	Accuracy	Depend on accuracy of V,A,W					
<b>GENERAL</b>							
PLC Remote	I/P : ON/OFF, P1, P2, P3, O/P : Processing						
Memory	8 Memory, 5 Steps of Programmable Memory for Voltage, Frequency, Test time, Delay time and Current, Power, Power Factor Hi, Lo limit setting						
Auto voltage adjust	Enable it for improve voltage regulation within ±0.1V						
Timer	0(continue), 1-9999 (Unit: sec, minute, hour selectable)						
Auto loop cycle	OFF,Continue,2~9999(Rate: x 1, x 10, x 100)						
Efficiency	≥ 85% ( at Full Load )						
Protection	Over Load, Short Circuit, Over Temperature						
Calibration	Front Panel Calibration						
Interface (Option)	GPIB, RS-232						
Operation Environment	0-40°C/20-80%RH						



**華儀電子股份有限公司**  
EXTECH ELECTRONICS CO., LTD

**Headquarter:**  
4F., No.252, Nan Yang Street, Shih Chih,  
Taipei Hsien, 221 Taiwan  
Tel : 886-2-26943030 Fax : 886-2-26947575  
Email :info@extech.com.tw  
http://www.extech.com.tw

**Kaohsiung :**  
Tel : 886-7-7131357 Fax : 886-7-7132529  
Email : khroot@extech.com.tw

**Guangzhou :**  
Tel : 86-20-85538831 Fax : 86-20-85538710  
Email : info@extechintl.com.cn

**Suzhou :**  
Tel : 86-512-68098397 Fax : 86-512-68091402  
Email : sales\_sz@extechintl.com.cn

**Malaysia :**  
Tel : 60-3-56318168 Fax : 60-3-56316168  
Email : adeltec@tm.net.my

**Japan:**  
Tel : 81-462-432631 Fax : 81-462-432632  
Email : extech@m1.reset.jp