

6600 Series Programmable AC Power Source



The 6600 series programmable AC power source configures with PWM direct coupling output technologies to provide highly stable power. With various interfaces to choose from, it is simple to integrate with PC and build a remote operation system.

Key Highlight

- DC output up to 2.5kW (optional).
- 9.8-inch panel displays all testing data at a glance.
- Automatic cycle run function efficiently looping various tests.
- EEC proprietary Over Current Fold (OCF) function automatically adjust voltages, maintaining current for activating the DUT.
- Integrated with PWM direct coupling output technologies to deliver up to 80% output efficiencies.
- Compact size design: 5kVA with height only 222mm, which occupied less space for the test.
- Provided with starting & ending phase angle settings for output waveforms as well as voltage spikes & dips wave simulation.
- Inrush current up to 4 times of the rated current, allowing users to activate high inrush current loads (motor, compressor, etc.) without additional power source capacity and thus minimize the equipment costs.
- Allowing users to adjust voltage or frequency instantly without shutting down the output and thus minimize the time needed for the tests.
- The rapid transient reaction allows the waveforms to restore within 400μs whenever loads are either added or removed instantly.

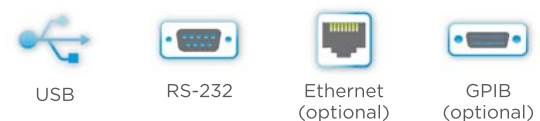
Protection



Safety and Productivity Features



Available Interface



	AC Output	DC Output	Programmable	Single-phase Input	Single-phase Output
6605	✓	Optional	✓	✓	✓
6610	✓	Optional	✓	✓	✓
6620	✓	Optional	✓	✓	✓
6630	✓	Optional	✓	✓	✓
6650	✓	Optional	✓	✓	✓

6600 Series Specifications						
MODEL	6605	6610	6620	6630	6650	
AC OUTPUT						
Phase	1Ø					
Power Rating	500VA	1kVA	2kVA	3kVA	5kVA ¹	
Voltage	Range	0 - 300V				
	Resolution	0.1 V				
	Accuracy	±(1% of setting + 2 counts)		±(1% of setting + 5 counts)		
Max. Current (r.m.s) ²	0 - 150V	4.6A	9.2A	18.4A	27.6A	46.0A
	0 - 300V	2.3A	4.6A	9.2A	13.8A	23.0A
Frequency	Range	40 - 500Hz Full Range Adjust				
	Resolution	0.1Hz at 40.0 - 99.9 Hz, 1Hz at 100 - 500Hz				
	Accuracy	±0.03% of setting				
Total Harmonic Distortion (THD)	< 0.3% at 110/220V & 50/60Hz (Resistive Load)					
Inrush Current	4 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					
DC OUTPUT (Optional)						
Power rating	250W	500W	1kW	1.5kW	2.5kW	
Voltage	Range	110/220Vac ± 10%				
	Resolution	0.1V				
	Accuracy	±(1% of reading + 2 counts)		±(1% of reading + 5 counts)		
Max. Current (r.m.s)	0 - 200V	2.3A	4.6A	9.2A	13.8A	23.0A
	0 - 400V	1.15A	2.3A	4.6A	6.9A	11.5A
Ripple and Noise (r.m.s)	Range	L	< 250mV		< 350mV	
		H	< 400mV		< 550mV	
Ripple and Noise (p-p)	< 2Vp-p			< 3Vp-p		
Line Regulation	± 0.1V					
Load Regulation	±(0.5% of output + 0.5V) at Resistive Load					

MODEL		6605	6610	6620	6630	6650		
INPUT								
Phase	1Ø							
Voltage	110/220Vac±10%			220Vac±10%				
Max. Current	10/5A	20/10A	20A	30A	50A			
Frequency	47 - 63Hz							
Power Factor	0.7							
MEASUREMENT								
Voltage (AC & DC)	Range	0.0 - 400.0V						
	Resolution	0.1V						
	Accuracy	±(1% of reading + 2 counts) at Voltage > 5 V			±(1% of reading + 5 counts) at Voltage > 5V			
Current	Range (AC)	L	0.005 - 0.600A	0.005 - 1.200A	0.005 - 2.400A	0.005 - 3.600A	-	
		H	0.50 - 6.50A	1.00 - 13.00A	2.00 - 26.00A	3.00 - 39.00A	0.00 - 65.00A	
	Range (DC)	L	0.010 - 0.600A	0.010 - 1.200A	0.010 - 2.400A	0.010 - 3.600A	-	
		H	0.50 - 6.50A	1.00 - 13.00A	2.00 - 26.00A	3.00 - 39.00A	0.05 - 65.00A	
	Resolution ³	L	0.001A					
		H	0.01A					
	Accuracy (AC) ⁴	L	±(1% of reading + 5 counts)			±(1% of reading + 5 counts) ⁵ ±(2% of reading + 5 counts) ⁶	-	
		H	±(1% of reading + 5 counts)					
	Accuracy (DC) ⁴	L	±(1% of reading + 5 counts)				-	
		H	±(1% of reading + 5 counts)					
Frequency	Range	0.0 - 500.0Hz						
	Resolution	0.1Hz						
	Accuracy	± 0.1Hz						
Power (AC & DC)	Range	L	0.0W - 60.0W	0.0W - 120.0W	0.0W - 240.0W	0.0W - 360W	-	
		H	50W - 650W	100W - 1300W	200W - 2600W	300 - 3900W	0 - 6500W	
	Resolution	L	0.1W					
		H	1W					
	Accuracy (AC) ⁴	L	±(2% of reading + 15 counts)		±(2% of reading + 30 counts)	±(2% of reading + 15 counts) ⁵ ±(2% of reading + 15 counts) ⁶	-	
		H	±(2% of reading + 5 counts)		±(2% of reading + 10 counts)	±(2% of reading + 5 counts)		
	Accuracy (DC) ⁴	L	±(2% of reading + 5 counts)				-	
		H	±(2% of reading + 5 counts)					

MODEL	6605	6610	6620	6630	6650
GENERAL					
Surge/Drop	SD-Volt : 0.0 - 300.0V, Resolution : 0.1V SD-Site : 0 - 20ms at SD-Cont. : ON, 0 - 99ms at SD-Cont. : OFF, Resolution : 1ms SD-Time : 0 - 20ms at SD-Cont. : ON, 0 - 99ms at SD-Cont. : OFF, Resolution : 1ms SD-Cont. : ON/OFF				
Remote Input Signal Interface (Optional)	Test, Reset, Recall memory 1 through 7				
Remote Output Signal	Pass, Fail, Test-in Process				
I/P Terminal	Inlet		Terminal		
Memory	50 memories, 9 steps/memory				
Sync Output Signal	DC Level 5 V, Between the sync signal and the output voltage will be 0.5ms time difference				
Display	240 x 64 dot resolution Monographic LCD/Contrast 9 Levels 1 - 9				
Protection	OCP, OVP, OPP, OTP, LVP, Short Circuit ; Alarm and shutdown				
Interface ⁷	Standard USB & RS232, Optional GPIB, Ethernet, PLC Remote Input Card				
Op./Non-Op. Temp./Humidity	0 to 40°C/-40 to 75°C/20 to 80%RH				
Dimension (W x H x D), mm ⁸	430 x 89 (111.5) x 400	430 x 89 (111.5) x 400	430 x 89 (111.5) x 500	430 x 223 (245.5) x 500 (528)	430 x 223 (245.5) x 500 (530)
Weight	16.5kg	19.5kg	31.5kg	57kg	65kg

INBOX ACCESSORIES

Power Cable (10A) for 6605; Power Cable (15A) for 6610; 1177 Input power cable for 6620; 1224 USB Cable*1

*Product specifications are subject to change without notice

1. PF_≤0.8 can work continuity
2. Maximum current when output voltage at 110/220V
3. a. When output frequency ≥100Hz & ≤ 500Hz & N-G short, the current meter guarantee minimum current from 0.01A
b. When output frequency ≥ 500Hz & N-G short, the current meter guarantee minimum current from 0.02A
4. At voltage > 5V
5. At 40 - 100Hz
6. At 101 - 500Hz
7. Only one interface can be selected among PLC Remote I/P interface, RS232 & USB, Ethernet & GPIB interface card.
8. Figure in parentheses are maximum values with fixture stand

Models

- 6605 Programmable AC Power Source 0 - 300V/40 - 500Hz (500VA)
- 6610 Programmable AC Power Source 0 - 300V/40 - 500Hz (1kVA)
- 6620 Programmable AC Power Source 0 - 300V/40 - 500Hz (2kVA)
- 6630 Programmable AC Power Source 0 - 300V/40 - 500Hz (3kVA)
- 6650 Programmable AC Power Source 0 - 300V/40 - 500Hz (5kVA)

Options

- OPT.109 Replace RS232 Interface by GPIB Interface
- OPT.612 PLC Remote I/P Interface
- OPT.629 Input Voltage 100/200Vac for 6605 & 6610
- OPT.630 Input Voltage 120/240Vac for 6605 & 6610
- OPT.631 Input Voltage 200Vac for 6620, 6630 & 6650
- OPT.632 Input Voltage 240Vac for 6620, 6630 & 6650
- OPT.633 DC Output (250W/400V) for 6605
- OPT.634 DC Output (500W/400V) for 6610
- OPT.635 DC Output (1kW/400V) for 6620
- OPT.651 DC Output (1.5kW/400V) for 6630
- OPT.652 DC Output (2.5kW/400V) for 6650
- OPT.653 External 0 - 10V control
- OPT.654 Sync Signal +5V/pulse 15ms
- OPT.663 Replace RS232 Interface by PLC Remote Interface
- OPT.666 V sensor function for 6650
- OPT.667 Suppression Input Voltage