

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

Over Current Protection

Over Voltage Protection

Over Power Protection

Over Temperature Protection

Short Current Circuit

Safety and Productivity Features

OC Fold

Continuous

Angle Setting

V Sense (optional)

Available Interface

USB

RS-232

Ethernet (optional)

GPIB (optional)

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

6600 Series Specifications			
MODEL		6630	6650
AC OUTPUT			
Phase		1Ø	
Power Rating		3kVA	5kVA ¹
Voltage	Range	0 - 300V	
	Resolution	0.1 V	
	Accuracy	±(1% of setting + 5 counts)	
Max. Current (r.m.s) ²	0 - 150V	27.6A	46.0A
	0 - 300V	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		1.5kW	2.5kW
Voltage	Range	0-200/0-400V	
	Resolution	0.1V	
	Accuracy	±(1% of reading + 5 counts)	
Max. Current (r.m.s)	0 - 200V	13.8A	23.0A
	0 - 400V	6.9A	11.5A
Ripple and Noise (r.m.s)	Range	L	< 350mV
		H	< 550mV
Ripple and Noise (p-p)		< 3Vp-p	
Line Regulation		± 0.1V	
Load Regulation		±(0.5% of output + 0.5V) at Resistive Load	

MODEL		6630	6650	
INPUT				
Phase	1Ø			
Voltage	220Vac±10%			
Max. Current	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 + 5 counts) at Voltage > 5V		
Current	Range (AC)	L	0.005 - 3.600A	-
		H	3.00 - 39.00A	0.00 - 65.00A
	Range (DC)	L	0.010 - 3.600A	-
		H	3.00 - 39.00A	0.05 - 65.00A
	Resolution ³	L	-	
		H	0.01A	
	Accuracy (AC) ⁴	L	±(1% of reading + 5 counts) ⁵ ±(2% of reading + 5 counts) ⁶	-
		H	±(1% of reading + 5 counts)	
	Accuracy (DC) ⁴	L	-	
		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 - 360W	-
		H	300 - 3900W	0 - 6500W
	Resolution	L	0.1W	
		H	1W	
	Accuracy (AC) ⁴	L	±(2% of reading + 15 counts) ⁵ ±(2% of reading + 15 counts) ⁶	-
		H	±(2% of reading + 5 counts)	
	Accuracy (DC) ⁴	L	±(2% of reading + 5 counts)	-
		H	±(2% of reading + 5 counts)	

MODEL	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	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	
Efficiency	≥ 80% (at Full Load)	
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 223 (245.5) x 500 (528)	430 x 223 (245.5) x 500 (530)
Weight	57kg	65kg

INBOX ACCESSORIES

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

- 6630 Programmable AC Power Source 0 - 300V/
40 - 500Hz (3kVA)
- 6650 Programmable AC Power Source 0 - 300V/
40 - 500Hz (5kVA)
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Options

- OPT.109 Replace RS232 Interface by GPIB Interface
- OPT.612 PLC Remote I/P Interface
- OPT.631 Input Voltage 200Vac for 6620, 6630 & 6650
- OPT.632 Input Voltage 240Vac for 6620, 6630 & 6650
- 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