

6700 Series Linear Programmable AC Power Source

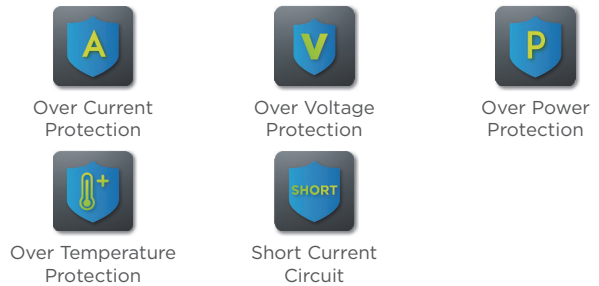


The 6700 series linear programmable AC power source provides clean power with various functional setups. The ultra-low noise design is best for networking communication, audio & video equipment, and surveillance system.

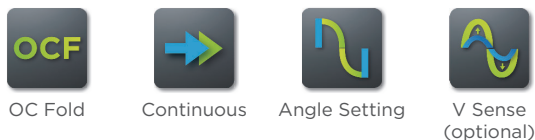
Key Highlight

- 0.1mA/0.01W high resolution measurement feature (optional).
- EEC proprietary Over Current Fold (OCF) function automatically adjust voltages, maintaining current for activating the DUT.
- Ultra-low noise design on output voltage.
- Wide output voltage range of 0 - 600Vac and frequency range of 45 - 1000Hz (optional).
- Integrated with the latest high density power technologies with compact design; 1kVA with 89mm height only, which require less space for the tests.
- The rapid transient reaction allows the waveforms to restore within 100us whenever loads are either added or removed instantly.

Protection



Safety and Productivity Features



Available Interface



	AC Output	Programmable	Single-phase Input	Single-phase Output	600V Output
6705	✓	✓	✓	✓	Optional
6710	✓	✓	✓	✓	Optional
6720	✓	✓	✓	✓	Optional
6730	✓	✓	✓	✓	Optional
6740	✓	✓	✓	✓	Optional
6750	✓	✓	✓	✓	Optional

6700 Series Specifications							
MODEL	6705	6710	6720	6730	6740	6750	
AC OUTPUT							
Phase	1Ø						
Power Rating	500VA	1kVA	2kVA	3kVA	4kVA	5kVA	
Voltage	Range	0 - 300V, 150/300V Auto or 0 - 600V, 300/600V Auto (Optional 0 - 600V)					
	Resolution	0.1/0.2V					
	Accuracy	±(0.5% of setting + 2 counts)					
Max. Current (r.m.s) ¹	0 - 150V	4.2A	8.4A	16.8A	25.2A	33.6A	42A
	0 - 300V	2.1A	4.2A	8.4A	12.6A	16.8A	21A
Max. Current (r.m.s) ² for Optional 0 - 600V	0 - 300V	2.1A	4.2A	8.4A	12.6A	16.8A	21A
	0 - 600V	1.05A	2.1A	4.2A	6.3A	8.4A	10.5A
Max. Current (r.m.s) ³ for Optional 0 - 1kV	0 - 500V	-	2A	4A	-	-	-
	0 - 1kV	-	1A	2A	-	-	-
Frequency	Range	45 - 500Hz/45 - 1kHz (Optional 45Hz - 1kHz) Full Range Adjust					
	Resolution	0.1Hz at 45 - 99.9Hz, 1Hz at 100 - 1kHz					
	Accuracy	± 0.02% 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	4 times rated Current (r.m.s)						
Line Regulation	0.1% max for ± 10% line change						
Load Regulation	≤ 0.5% (Resistive Load)						
INPUT							
Phase	1Ø						
Voltage ⁴	115/230VAc ± 15%			230VAc ± 15%			
Max. Current	16/8A	30/16A	30A	50A	60A	75A	
Frequency	47 - 63Hz						
Power Factor	0.7						

MODEL		6705	6710	6720	6730	6740	6750	
MEASUREMENT								
Voltage	Range	0.0 - 300.0V/0.0 - 600.0V/0.0 - 1kV						
	Resolution	0.1V/0.2V/1V						
	Accuracy ⁵	±(0.5% of reading + 2 counts)						
Current	Range	L	0.000 - 3.500A				0.000 - 7.000A	
		H	3.00 - 35.00A				6.00 - 42.00A	
	Resolution ⁶	L	0.001A				0.002A	
		H	0.01A				0.02A	
	Accuracy	L	±(0.5% of reading + 5counts) for 5 - 300V/±(0.5% of reading + 10 counts) for 5 - 600V, 5 - 1kV					
		H	±(0.5% of reading + 3 counts) at Voltage > 5V					
Current for Optional High Resolution Meter	Range	2.0 - 350.0mA	-	-	-	-	-	
	Resolution	0.1mA	-	-	-	-	-	
	Accuracy ⁵	±(0.6% of reading + 5counts) ±(1% of reading + 5counts) for Optional 0 - 600V	-	-	-	-	-	
Frequency	Range	0.0 - 1000.0Hz						
	Resolution	0.1Hz						
	Accuracy	± 0.1Hz at 45.0 - 500.0Hz/± 0.5 Hz at 501.0 - 1000.0Hz						
Power	Range	L	0.0 - 350.0W					
		H	300 - 4000W					
	Resolution	L	0.1W					
		H	1W					
	Accuracy	L	±(0.6% of reading + 5 counts) ⁷ /±(0.5% of reading + 30 counts) ⁸					
		H	±(0.6% of reading + 2 counts) ⁷ /±(0.5% of reading + 5 counts) ⁸					

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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	Output Signal 10V, BNC type, 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 ⁹	Standard USB & RS232, Optional GPIB, 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 ¹⁰	430 x 89 (111.5) x 400	430 x 89 (111.5) x 560 (588)	430 x 268 (355) x 650 (730)	430 x 624 (711) x 650 (730)	430 x 624 (711) x 650 (730)	430 x 624 (711) x 650 (730)
Weight	24kg	39kg	90kg	165kg	192kg	-
INBOX ACCESSORIES						
1224 USB Cable*1						

*Product specifications are subject to change without notice

- Maximum current when output voltage at 120/240V.
- Maximum current when output voltage at 240/480V.
- Maximum current when output voltage at 500/1kV.
- The input voltage is restricted not to be lower than -5% of rated input voltage when output voltages reach >140V at 0 - 150V range & >280V at 0 - 300V range.
The input voltage is restricted not to be lower than -5% of rated input voltage when output voltages reach >280V at 0 - 300V range & >560V at 0 - 600V range. (Optional 0 - 600V).
- At voltage > 5V.
- 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.
c. When output frequency ≥ 100Hz & ≤ 500Hz & N-G short, the current meter guarantee minimum current from 0.02A at 600V models.
d. When output frequency ≥ 500Hz & N-G short, the current meter guarantee minimum current from 0.03A at 600V models.
- At 60 - 300V and PF > 0.5.
- At 120 - 600V and PF > 0.5.
- Only one interface can be selected among PLC Remote I/P interface, RS232 & USB & GPIB interface card.
- Figure in parentheses are maximum values with fixture stand.

Models

- 6705 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (500VA)
- 6710 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (1kVA)
- 6720 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (2kVA)
- 6730 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (3kVA)
- 6740 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (4kVA)
- 6750 Linear Programmable AC Power Source 0 - 300V/45 - 500Hz (5kVA)

Options

- OPT.109 Replace RS232 Interface by GPIB Interface
- OPT.612 PLC Remote I/P Interface
- OPT.623 Low Range meter Resolution 0.1mA/0.01W for 6705 & 6710
- OPT.624 Output Voltage 600V
- OPT.625 Output Frequency 45-1kHz
- OPT.655 Sync Signal +5V/pulse 15ms
- OPT.663 Replace RS232 Interface by PLC Remote Interface
- OPT.664 Output Voltage 1kV for 6710 & 6720
- OPT.665 V sensor function for 6720
- OPT.667 Suppression Input Voltage