

6900S Series

AC Power Source

The 6900S Series AC Power Source provides clean, reliable power for precise testing of your electronic designs and prototypes. With an intuitive interface and flexible operation, it adapts effortlessly to diverse testing needs, from home appliances and power adapters to LEDs and laboratory applications. Offering a wide range of power selection options, the 6900S Series ensures comprehensive test coverage. Now featuring an optional RS-232 interface, it streamlines manufacturing automation, making your production process more efficient than ever.



Key Highlight

- Simulate worldwide AC power conditions with a wide and flexible combination of adjustments for output voltage ranges of 0- 310V and frequency range of 40-450Hz.
- High crest factor and inrush current capabilities provide more powerful sources.
- EEC proprietary Over Current Fold (OCF) function automatically adjust voltages, maintaining current for activating the DUT.
- Superior clean power delivers low THD of 0.3% when powered at 50Hz or 60Hz.
- Effective cooling performance for a better reliability and maximum business uptime.
- Intuitive user interface design for easy parameter settings.
- Three fast recall settings to increase operational efficiencies.
- Dedicated LED indicator for better visibility and reading accuracy.
- Compact size, only 2U (89mm) height with 2kVA rating (6905S, 6910S, 6920S Models).
- Optional RS-232 interface simplifies automation, making it easier to integrate manufacturing processes.

Protection



Safety and Productivity

Features

OCF

OC Fold

EEC Benefits



APAC Only

Options



RS-232

Specifications – 6900S Series (APAC Only)

6900S Series							
MODEL	6905S		6910S	6920S	6930S	6950S	
AC OUTPUT							
Phase	1Ø						
Power Rating	500VA	1kVA	2kVA	3kVA	5kVA ¹		
Voltage	Range	0 - 310V					
	Resolution	0.1V					
	Accuracy	±(1% of setting + 0.1% f.s)		±(1% of setting + 0.2% f.s)			
Max. Current (r.m.s)	0 - 155V	4.6A	9.2A	18.4A	27.6A	46.0A	
	0 - 310V	2.3A	4.6A	9.2A	13.8A	23.0A	
Frequency	Range	40 - 450Hz Full Range Adjust					
	Resolution	0.1Hz at 40.0 - 99.9Hz , 1Hz at 100 - 450Hz					
	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						
INPUT							
Phase	1Ø						
Voltage	110/220VAc ± 10%			220VAc ± 10%			
Max. Current	10/5A	20/10A	20A	30A	50A		
Frequency	47 - 63Hz						
Power Factor	≥ 0.67						
MEASUREMENT							
Voltage	Range	0.0 - 400.0V					
	Resolution	0.1V					
	Accuracy	±(1% of reading + 0.1% f.s)		±(1% of reading + 0.2% f.s)			
Current	Range	L	0.005 - 0.600A	0.005 - 1.200A	0.005 - 2.400A	-	-
		H	0.50 - 6.50A	1.00 - 13.00A	2.00 - 26.00A	0.05 - 39.00A	0.05 - 65.00A
	Resolution	L	0.001A			-	-
		H	0.01A			-	-
	Accuracy	L	±(1% of reading + 0.005A) at voltage > 5V			-	-
		H	±(1% of reading + 0.05A)			-	-
Frequency	Range	0.0 - 450.0Hz					
	Resolution	0.1Hz					
	Accuracy	±0.1Hz					
Power	Range	L	0.0 - 60W	0.0 - 120W	0.0 - 240W	-	-
		H	50 - 650W	100 - 1300W	200 - 2600W	0 - 3,900W	0 - 6,500W
	Resolution	L	0.1W			-	-
		H	1W			-	-
	Accuracy	L	±(2% of reading + 1.5W)		±(2% of reading + 3W)	-	-
		H	±(2% of reading + 5W)		±(2% of reading + 10W)	±(2% of reading + 5W)	

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MODEL	6905S	6910S	6920S	6930S	6950S
GENERAL					
I/P Terminal	Terminal				
Memory	3 memories				
Display	Green LED				
Efficiency	≥ 78% (at Full Load)	≥ 80% (at Full Load)			
Protection	OCP, OVP, OPP, OTP, Short Circuit ; Alarm and shutdown				
Op./Non-Op. Temp./Humidity	0 to 40°C/-40 to 75°C/20 to 80%RH				
Dimension (W x H x D), mm	430 x 89 (111) x 410 (429)	430 x 89 (111) x 410 (429)	430 x 89 (111) x 510 (529)	430 x 222 (246) x 526 (536)	430 x 222 (246) x 526 (536)
Weight	18.2kg	18.2kg	30kg	65kg	65kg
INBOX ACCESSORIES					
Power Cable for 6905S, 6910S					

Subject to change without prior notice.