

Programmable AC Power Source

[Specification]

MODEL		6605	6610	6620	6640	
INPUT						
Phase		1Ø				
Voltage		110 / 220Vac ± 10%		220 ± 10%		
Frequency		47 - 63Hz				
Max. Current		10A / 5A	20A / 10A	20A	40A	
Power Factor		0.7				
AC OUTPUT						
Max. Power		500VA	1000VA	2000VA	4000VA	
Max. Current (r.m.s)*1	0 - 150V	4.6A	9.2A	18.4A	36.8A	
	0 - 300V	2.3A	4.6A	9.2A	18.4A	
Max Current (peak)	0 - 150V	13.8A	27.6A	55.2A	110.4A	
	0 - 300V	6.9A	13.8A	27.6A	55.2A	
Phase		1Ø / 2W				
Total Harmonic Distortion (T.H.D)		< 0.5% at 40 - 100Hz, < 1% at 101 - 500Hz (Resistive Load)				
Crest Factor		≥ 3				
Line Regulation		± 0.1V				
Load Regulation		± (0.5% of output + 0.5V) at Resistive Load				
Response Time		< 400usec				
SETTINGS						
Voltage	Range	0 - 300V, 150V / 300V Auto Range				
	Resolution	0.1V				
	Accuracy	± (1% of setting + 2counts)			± (1% of setting + 5counts)	
Frequency	Range	40 - 500Hz Full Range Adjust				
	Resolution	0.1Hz at 40.0 - 99.9Hz, 1Hz at 100 - 500Hz				
	Accuracy	± 0.03% of setting				
Starting & Ending Phase Angle	Range	0 - 360°				
	Resolution	1°				
	Accuracy	± 1° (45 - 65HZ)				
DC OUTPUT (Option)						
Max. Power		250W	500W	1000W	2000W	
Max. Current	0 - 200V	2.3A	4.6A	9.2A	18.4A	
	0 - 400V	1.15A	2.3A	4.6A	9.2A	
SETTINGS						
Voltage	Range	0 - 200V / 0 - 400V Selectable				
	Resolution	0.1V				
	Accuracy	± (1% of reading + 2counts)				
Ripple and Noise (r.m.s)	Range	L	< 250mV		< 350mV	
		H	< 400mV		< 550mV	
Ripple and Noise (p - p)		< 2Vp - p		< 3Vp - p		
MEASUREMENT						
Voltage (AC & DC)	Range	0.0 - 400.0V				
	Resolution	0.1V				
	Accuracy	± (1% of reading + 2counts)			± (1% of reading + 5counts)	
Frequency	Range	0.0 - 500.0Hz				
	Resolution	0.1Hz				
	Accuracy	± 0.1Hz				
Current (r.m.s) (AC & DC)	Range	L	0.005A - 0.600A	0.005A - 1.200A	0.005A - 2.400A	-
		H	0.50A - 6.50A	1.00A - 13.00A	2.00A - 26.00A	0.00 - 52.00A
	Resolution	L	0.001A			
		H	0.01A			
	Accuracy	L	± (1% of reading + 5counts)			
H	± (1% of reading + 5counts)					
Current (peak)	Range	0.0 - 19.0A	0.0 - 38.0A	0.0 - 76.0A	0.0 - 152.0A	
	Resolution	0.1A				
	Accuracy	± (1% of reading + 5counts)				
Power	Range	L	0.0W - 60.0W	0.0W - 120.0W	0.0W - 240.0W	-
		H	50W - 650W	100W - 1300W	200W - 2600W	0 - 5200W
	Resolution	L	0.1W			
		H	1W			
	Accuracy	L	± (2% of reading + 5counts)			
H	± (2% of reading + 2counts)					

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MODEL		6605	6610	6620	6640
Power Factor	Range	0.000 - 1.000			
	Resolution	0.001			
	Accuracy	W / VA, Calculated and displayed to three significant digits			
GENERAL					
Remote Input Signal Interface (Option)		Test, Reset, Recall memory 1 through 7			
Remote Output Signal		Pass, Fail, Test-in Process			
Memory		50 memories, 9 steps / memory			
Sync Output Signal		DC Level 5V			
Timer		0 = Continuous, 0.5 - 999.9 (Unit : sec, minute, hour selectable)			
Alarm Volume Setting		Range : 0 - 9 ; 0 = OFF, 1 is softest volume, 9 is loudest volume			
Graphic Display		240 x 64 dot resolution Monographic LCD / Contrast 9 Levels 1 - 9			
Auto loop cycle		0 = Continuous, OFF, 2 - 9999			
Over Current Fold Back		On / Off , Setting On when output current over setting Hi - A value it will fold back output voltage to keep constant output current is setting Hi - A value			
Efficiency		≥ 80% (at Full Load)			
Protection		Over Current, Short Circuit, Over Temperature, Over Voltage, Over Power, and Alarm			
Calibration		Front Panel Calibration			
Interface (Option)		GPIB, USB & RS232, PLC Remote Input Card			
Operation Environment		0 - 40°C / 20-80%RH			
Dimension, mm*2	W	430	430	430	430
	H	89 (111.5)	89 (111.5)	89 (111.5)	223 (245.5)
	D	400	400	500	500
Net Weight		16.5Kg	18.2Kg	30Kg	65Kg

*1 At working voltage 110V / 220V

*2 Figure in parentheses are maximum values

Product specifications are subject to change without notice.

[Ordering Information]

- 6605 Programmable AC Power Source 0 - 300V / 40 - 500Hz (500VA)
- 6610 Programmable AC Power Source 0 - 300V / 40 - 500Hz (1000VA)
- 6620 Programmable AC Power Source 0 - 300V / 40 - 500Hz (2000VA)
- 6640 Programmable AC Power Source 0 - 300V / 40 - 500Hz (4000VA)
- Opt.612 PLC Remote I / P Interface
- Opt.627 GPIB Interface card
- Opt.629 Input Voltage 100V / 200V for 6605 & 6610
- Opt.630 Input Voltage 120V / 240V for 6605 & 6610
- Opt.631 Input Voltage 200V for 6620 & 6640
- Opt.632 Input Voltage 240V for 6620 & 6640
- Opt.633 DC Output Function for 6605
- Opt.634 DC Output Function for 6610
- Opt.635 DC Output Function for 6620
- Opt.636 DC Output Function for 6640
- Opt.643 USB & RS232 PC Control Card
- 1936 AC Power Source Remote Controller