

APS-7000E Specifications

The specifications apply when the APS-7000E is powered on for at least 30 minutes under +20°C~+30°C.



APS-7050E

APS-7050E Rear Panel



APS-7100E

APS-7100E Rear Panel



Model		APS-7050E	APS-7100E
Power Rating		500VA	1000VA
Output Voltage		0 ~ 155Vrms, 0 ~ 310Vrms	
Output Frequency		45.00 ~ 500.0 Hz	
Max. Current(rms) *1	0 ~ 155 Vrms	4.2A	8.4A
	0 ~ 310 Vrms	2.1A	4.2A
Max. Current (peak)	0 ~ 155 Vrms	16.8A	33.6A
	0 ~ 310 Vrms	8.4A	16.8A
Total Harmonic Distortion (THD) *2		≤ 0.5% at 45 ~ 500.0Hz (Resistive Load)	
Crest factor		≤ 4	
Line regulation		0.1% (% of full scale)	
Load regulation		0.3% (% of full scale)	
Response time		< 100μs	
Reverse current		30% of Maximum Output RMS Current (Continue) 100% of Maximum Output RMS Current (Within 3 minutes)	
Setting			
Voltage	Range	0 ~ 155Vrms, 0 ~ 310Vrms, Auto	
	Resolution	0.01V at 0.00 ~ 99.99Vrms, 0.1V at 100.0 ~ 310.0Vrms	
	Accuracy	± (0.5% of setting + 2 counts)	
Frequency	Range	45 ~ 500 Hz	

	Resolution	0.01Hz at 45.00 ~ 99.99Hz, 0.1Hz at 100.0 ~ 500.0Hz
	Accuracy	± 0.02% of Setting
Measurement *3		
Voltage (rms)	Range	0.20 ~ 38.75Vrms, 38.76 ~ 77.50Vrms, 77.51 ~ 155.0Vrms, 155.1 ~ 310.0Vrms
	Resolution	0.01V at 0.00 ~ 99.99Vrms, 0.1V at 100.0 ~ 310.0Vrms
	Accuracy *4	± (0.5% of reading + 2 counts)
Frequency	Range	45 ~ 500Hz
	Resolution	0.01Hz at 45.00 ~ 99.99Hz, 0.1Hz at 100.0 ~ 500.0Hz
	Accuracy	± 0.1Hz
Current (rms)	Range	2.00 ~ 70.00mA, 60.0 ~ 350.0mA, 0.300 ~ 3.500A, 3.00 ~ 17.50A
	Resolution	0.01mA, 0.1mA, 0.001A, 0.01A
	Accuracy	± (0.6% of reading + 5 counts) , 2.00 ~ 350.0mA ± (0.5% of reading + 5 counts) , 0.300 ~ 3.500A ± (0.5% of reading + 3 counts) , 3.000 ~ 17.50A
Current (peak)	Range	0.0 ~ 70.0A
	Resolution	0.1A
	Accuracy	± (1% of reading + 1 count)
Power (W)	Resolution	0.01W, 0.1W, 1W
	Accuracy	± (0.6% of reading + 5 counts) , 0.20 ~ 99.99W ± (0.6% of reading + 5 counts) , 100.0 ~ 999.9W ± (0.6% of reading + 2 counts) , 1000 ~ 9999W
Apparent Power (VA)	Resolution	0.01VA, 0.1VA, 1VA
	Accuracy	± (1% of reading + 7 counts) , 0.20 ~ 99.99VA ± (1% of reading + 7 counts) , 100.0 ~ 999.9VA ± (1% of reading + 5 counts) , 1000 ~ 9999VA
Power Factor	Range	0.000~ 1.000
	Resolution	0.001
	Accuracy	±2% reading + 2 counts
Test Function		
Number of Memories		10 (0~9 numeric keys)
Step Time Setting Range		0.01 ~ 999.99 s
Operation within Step		Constant, Keep, Linear Sweep
Parameters		Output Range, Frequency, Waveform (sine wave only)
AC Input		
Phase		Single Phase

Input Voltage	115/230ac ± 15%		
Input Frequency	50/60Hz		
Max. Current	16A/8A	32A/16A	
Power Factor	0.7 Typ.		
Environmental Conditions			
Operating temperature range	0 ~ +40 °C		
Storage temperature range	-10 ~ +70 °C		
Operating humidity range	20 ~ 80% RH (no condensation)		
Storage humidity range	80% RH or less (no condensation)		
Interface			
Standard	USB Hos		
Dimensions & Weight			
Dimensions (mm)	W	430	430
	H	88	88
	D	400	560
Weight		24kg	38kg

Product specifications are subject to change without notice.

The Specifications are not suit for ARB mode.

*1 Maximum output current at working voltage 120Vrms, 240Vrms

*2 45 to 500Hz, 10% or higher of the rated output voltage, the maximum current or lower

*3 All of measurement accuracy is at 23±5°C

*4 In the case of 15 to 155V, 30 to 310V, sine wave, no load