

## 500/1000 VA AC POWER SOURCE



The APS-7000E series linear AC power supply is 2U height and the output frequency range of the series is 45~500Hz. The maximum rated output for APS-7050E is 500VA, 310Vrms, 4.2Arms; and APS-7100E is 1000VA, 310Vrms, 8.4Arms. The APS-7000E series comprises six measurement and test functions (Vrms, Irms, F, Ipk, W, PF), and provides user interface similar to that of AC Power Meter. The APS-7000E series, via switching many sets of current levels to increase small current measurement resolution, is ideal for the LED industry and standby mode power consumption test. To meet the test criteria of line voltage fluctuation often seen in consumer electronics, the APS-7000E series not only supplies a stable AC source, but also features Test mode to handle special purpose or abnormal voltage and frequency. Test mode features ten sets of memory to simulate power outage, voltage increase, and voltage drop. The series is ideal for users to produce grid power transient waveform to verify electronic product operation under adverse conditions.

## APS-7000E Series

### FEATURES

- 4.3 inch TFT-LCD Display
- Output Capacity :  
APS-7050E(500VA,310Vrms,4.2/2.1Arms)  
APS-7100E(1000VA,310Vrms,8.4/4.2Arms)
- Measurement Function Comprises Voltage, Current, Power, Current(peak), Frequency, Power Factor
- 10 sets of the Test Mode Simulate Power Transient Output
- 10 sets of Preset Allow Users to Store Ten Settings
- OVP, OCP and OTP Protection
- Variable Voltage, Frequency and Current Limiter
- Universal Power Inlet



APS-7100E Rear Panel



APS-7050E Rear Panel

### APPLICATIONS

- The Broad Power Output Range of The Series is Ideal for Various Power Supply Manufacturers
- The Development of Electronic Components and Testing Applications for Manufacturers
- Incoming Quality Control and R & D Applications
- Small AC Current Measurement Applications

SPECIFICATIONS		
Model	APS-7050E	APS-7100E
Power Rating	500VA	1000VA
Output Voltage	0 ~ 310.0 Vrms	0 ~ 310.0 Vrms
Output Frequency	45.00 ~ 500.0 Hz	45.00 ~ 500.0 Hz
Maximum Current (r.m.s)	4.2A 2.1A	8.4A 4.2A
Maximum Current (peak)	16.8A 8.4A	33.6A 16.8A
Total Harmonic Distortion (THD)	≤0.5% at 45 ~ 500Hz (Resistive Load)	
Crest Factor	≥4	
Line regulation	0.1% (% of full scale)	
Load regulation	0.5% (% of full scale)	
Response time	<100us	
SETTING		
Voltage	Range Resolution Accuracy	155Vrms/310Vrms/Auto 0.01V at 0.00 ~ 99.99Vrms; 0.1V at 100.0 ~ 310.0Vrms ±(0.5% of setting+2 counts)
Frequency	Range Resolution Accuracy	45 ~ 500Hz 0.01Hz at 45.00 ~ 99.99Hz/0.1Hz at 100.0 ~ 500.0Hz ±0.02% of setting
MEASUREMENT		
Voltage(RMS)	Range Resolution Accuracy	0.20 ~ 38.75Vrms/38.76 ~ 77.50 Vrms/77.51 ~ 155.0Vrms/155.1 ~ 310.0Vrms 0.01V at 0.00 ~ 99.99Vrms; 0.1V at 100.0 ~ 310.0Vrms ±(0.5% of reading + 2 counts)
Frequency	Range Resolution Accuracy	45 ~ 500Hz 0.01Hz (at 45Hz~99.99Hz)/0.1Hz (at 100Hz~500.0Hz) ±0.1Hz
Current(RMS)	Range Resolution Accuracy	2.00 ~ 70.00mA/60.0 ~ 350.0mA/0.300 ~ 3.500A/3.00 ~ 17.5A 0.01mA, 0.1mA, 0.001A, 0.01A ±(0.6% of reading+5 counts); 2.00~350.0mA/±(0.5% of reading+5 counts); 0.350~3.500A/±(0.5% of reading+3 counts); 3.500~17.50A
Current(Peak)	Range Resolution Accuracy	0.0 ~ 70.0A 0.1A ±(1% of reading+1 count)
Power(W)	Range Resolution Accuracy	0.01W, 0.1W, 1W ±(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
Power Factor	Range Resolution Accuracy	0.000~1.000 0.001 ±(2% of reading + 2 counts)
GENERAL		
Number of Preset	10 (0~9 Numeric keys)	
Protection	OCP, OPP, OHP and Alarm	
ENVIRONMENT CONDITIONS		
Operation Temperature	0 ~ +40°C	
Storage Temperature	-10 ~ +70°C	
Operating Temperature	20 ~ 80% RH (No Condensation)	
Storage Humidity	80% RH or less(No Condensation)	
INPUT		
Input Power Source	1φ AC 115/230Vac ±15%	
DIMENSIONS		
	430(W) x 88(H) x 400(D) mm; Approx. 24Kg	430(W) x 88(H) x 560(D) mm; Approx. 38Kg
Specifications subject to change without notice. PS-7000EGD1DH		
ORDERING INFORMATION		
APS-7050E	500VA AC Power Source	CD ROM (User Manual x 1), Power Cord (Region Dependent), Mains Terminal Cover Set, CTL-123 Test Lead
APS-7100E	1000VA AC Power Source	OPTIONAL ACCESSORIES
		GRA-423 APS-7000E Rack Mount Kit