ACP20&30 Series AC Power Source Technical Specifications

The instrument must be operated continuously for more than 30 minutes at the specified operating temperature to achieve the following specifications:

Model		ACP2000	ACP3000	ACP3045
Rate Output (0℃-40℃)	AC Output voltage	0-300V		
	DC Output voltage	--	--	- 450V~450V
	AC Output current	0-15Arms, 45Apeak	0-15Arms, 45Apeak	0-15Arms, 45Apeak
	DC Output current	--	--	0-10A
	AC Output Frequency	40-400Hz	40-400Hz	40-400Hz
	AC Output power	2kVA	3kVA	
Input	Volt/freq./Curr	100V-240Vac; 45Hz-65Hz; 16Arms Max		
Load regulation		≤0.1%FS(Resistive Load)	≤0.1%FS(Resistive Load)	≤0.1%FS(Resistive Load)
Line regulation		≤0.5%FS(Resistive Load)	≤0.5%FS(Resistive Load)	≤0.5%FS(Resistive Load)
Setting resolution	Voltage	10mV	10mV	10mV
	Current	10mA	10mA	10mA
Readback resolution	Voltage	10mV	10mV	10mV
	Current	10mA	10mA	10mA
Setting accuracy	Voltage	≤0.2%+600mV	≤0.2%+600mV	≤0.2%+600mV (AC) ≤0.2%+600mV (DC)
	Current	--	--	≤0.2%+30mA (DC)
Readback accuracy	Voltage	≤0.2%+600mV	≤0.2%+600mV	≤0.2%+600mV (AC) ≤0.2%+600mV (DC)
	Current	--	--	≤0.2%+30mA (DC)
Phase angle	Start angle	0-360°	0-360°	0-360°
	Stop angle	0-360°	0-360°	0-360°
Total Harmonic Distortion(THD)*		≤0.6%	≤0.6%	≤0.6%
Crest Factor (CF)		3	3	3
Temp. coefficient		±(0.04% per degree from 25℃)	±(0.04% per degree from 25℃)	±(0.04% per degree from 25℃)
Working temperature		0-40℃	0-40℃	0-40℃
Display		3.95-inch TFT LCD	3.95-inch TFT LCD	3.95-inch TFT LCD
Interface		USB，LAN，RS485	USB，LAN，RS485	USB，LAN，RS485
Dimensions(W*H*D)(mm)		428 X 88.0 X 446.2	428 X 88.0 X 446.2	428 X 88.0 X 446.2
Weight		Approx. 11kg		

[1]: THD test, 220V@40-200Hz, no load.
All parameters mentioned above without DC annotation refer to those under AC mode.
If there are any changes to parameters, no separate notice will be given. Please refer to the website update for the latest information.

Interval Period of Adjustment: One year is recommended for the calibration interval period.



V1.0.0