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Solar energy PV device test chamber



Application

Solar energy PV device test chamber is mainly used in light-voltage industry, and the solar energy industry. It is necessarily to inspect equipment parameters and performance for testing light-voltage components which main are premier single silicon components, the ground Crystalline silicon light voltage modules, thin film light voltage module surface with a series of light-voltage parts after high temperature, low temperature, centigrade of alternating hot and humid environment or constant changes in temperature or constant temperature, damp heat test after environmental change procedure. Apply to schools, factories, military, research spaces, and other units test application.

Specs & Technical Parameters

Type	ECPV-150
Temperature range	-40℃～100℃
Temperature dispersion	±0.5℃
Temperature deviation	±2℃
Humidity range	30%~98%R.H(40~90℃)
Alter range humidity	75%~95%R.H(25~85℃)
Humidity deviation	+2、-3%R.H
Rise / Fall speed (℃)	1.0~3.4℃/min (line function adjustable)
Setting time	0~9999hours (adjustable)
Power	32 KW
Casing coat material	Excellent cold rolling steel plate processed by rust prevention and plastic powder-spraying by static electricity



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Air circulation	Using the long axis of the fan motor, high and low temperature resistant stainless steel multi-wing impeller, the intensity of vertical convection diffusion cycle
Thermal insulation material	High density Superfine glass fiber with 100mm thickness
Sealed gate	Silicone rubber bar of environmental protection
Heater device	1.Nickel alloy with high-speed infrared heating electric heaters(3KW*2) 2. Completely independent system of high temperature does not affect the low temperature tests, high temperature and humidity test.
Workroom dimensions (cm)	100*100*150 (D*W*H)
Exterior dimensions (cm)	120*120*200 (D*W*H)
Voltage	AC 3 phases 380V 50HZ
Control device	Temperature and humidity display and control instruments used are all imported large screen images (5.7-inch LED LCD), Color touch screen operation, and program editing easy, no keyboard input. Accuracy: 0.1 °C Resolution: ± 0.1 °C.
Safety protection system	Perfect and complete safety system

UV weather resistance test chamber



Purpose

This series is applicable for the sunlight resistant test of nonmetallic materials and aging test of artificial light sources.