Long Pulse Solar Simulator for PV Modules

Model:WPSS-1.2x1-50x4

The solar simulator system has been developed for evaluation of properties of PV- modules. Consisting of a light source unit, a sample stage, and a measurement data processing unit, this system irradiates light which is similar to sunbeams in spectral distribution and in intensity, over a 1200 x 1000mm area for about 200m seconds. Properties of PV-modules are measured during this irradiation with 3 high-speed A/D converters of parallel movements. These properties are then processed in personal computer to be printed.

USES

Photovoltaic PV -Sensors Photo-Catalytic Materials etc.

SPECIFICATION

Effective irradiated area	:	1200 X 1000 mm
Irradiance	:	80 - 120mW/cm2 (AM1.5G) or 120 - 140mW/cm2 (AM0)
Pulse duration	:	80 - 800msec
Positional non-uniformity of irradiance	:	+/- 3%
Instability of irradiance (10 times measurements)	:	+/- 1%/10 times
Maximum incident angle to irradiance surface	:	+/- 10degree
Spectral coincidence	:	Air Mass 1.5Global approximate or Air Mass 0 approximate
Power supply	:	3-phase,3-wire,AC380V,122A 80KVA(nomal operation:30KVA)
Occupying space	:	H=2500mm,W=3000mm,D=10000mm
Weight	:	800Kg

Sole Agent

Voss electronic GmbH
Poinger Str. 2 • D-85551 Kirchheim • Tel. 089/2011177 • Telefax 089/2012877
email: info@vosselectronic.de http://www.vosselectronic.de

Manufacturer

WACOM ELECTRIC CO.,LTD.
http://www.wacom-ele.co.jp