

UV exposure chamber ETSP-UV series

ETSP-UV series provide UV(Ultra violet) light or full spectrum sunlight exposure for accelerated life testing of photovoltaic (PV) modules and for UV pre-conditioning required by IEC 61215 and 61646 for PV module testing . ETSP-UV series is to determine the accelerated effect of sunlight exposure . Both UVA315~385nm & UVB 280~315nm bulbs are utilized for all accelerated weathering test methods that will show how a material will react to long term sunlight exposure.

General Features

- Safe, durable and perfect accelerated weathering tests of materials.
- Simulation years worth of sunlight in days.
- All types of PV modules testing is possible.
- UV spectral transmittance analysis by accelerated UV exposure.
- Friendly, flexible, up-to date control and management systems.
- Allows easy servicing and upgrades.

Technical Features

- UV Temperature range: RT ~70 °C
- ULTRA-VITALUX UV high pressure lamp 300W (Changeable according to user's demand.)
- Microprocessor controller including self-diagnostics, warning message function .
- High precision UV radiometer and radiation integrator.
- Input Power Requirements: 230V ± 10%, 380V ± 10%, 50Hz/60Hz, 1PH/3PH (Changeable according to customer specification.)



ETSP-UV series



ETSP Co., Ltd.

[Http://www.etsp.co.kr](http://www.etsp.co.kr)

Address: 108dong 22 Gongdan 2 ro, 1240-1
Siheung-si ,Jeongwang-Dong, Gyeonggi-Do,
429-450, Korea

Tel : +82-31-488-8519
Fax : +82-31-488-8524
E-mail: info@etsp.co.kr

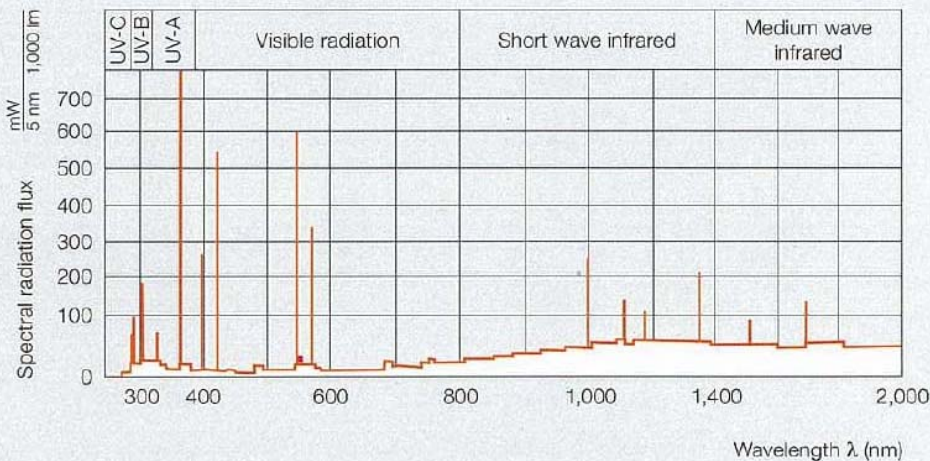
UV exposure chamber ETSP-UV series

Technical Specification

Model	Internal dimensions	Eternational dimensions	Useful capacity
ETSP-UV 1200	1,500 X 800 X 800 (W X D X H) mm	2,200 X 1,900 X 1,900 (W X D X H) mm	1,200 liters
ETSP-UV 2600	2,000 x 1,300 x 1,000 (W X D X H) mm	2,200 x 1,800 x 2,100 (W X D X H) mm	2,600 liters
ETSP-UV 3750	2,500 x 1,500 x 1,000 (W X D X H) mm	2,800 x 2,100 x 2,100 (W X D X H) mm	3,750 liters
ETSP-UV 6900	3,000 X 2,300 X 1,000 (W X D X H) mm	3,300 X 2,900 X 2,100 (W X D X H) mm	6,900 liters

**Note: Different size of chambers are available on user's demand.
Chamber dimensions are subject to change due to final design and specification.**

Spectral radiation distribution



Illuminance and irradiance of the ULTRA-VITALUX® lamp

(Distance = 0.5 m)

Operating time illuminance		UVB	UVA	Visible
		280–315 nm	315–400 nm	380–780 nm
h	lx	W/m ²	W/m ²	W/m ²
1	14,400	3.0	13.6	41.4
500	13,700	1.8	11.0	39.0
1,000	10,800	1.1	7.3	29.7



ETSP Co., Ltd.

[Http://www.etsp.co.kr](http://www.etsp.co.kr)

Address: 108dong 22 Gongdan 2 ro, 1240-1
Siheung-si ,Jeongwang-Dong, Gyeonggi-Do,
429-450, Korea

Tel : +82-31-488-8519
Fax : +82-31-488-8524
E-mail: info@etsp.co.kr