Grup Endüstri Otomasyon
Ticaret ve Sanayi Limited Şirketi

UV Exposure Chamber

ETSP-UV Series

ETSP.CO.,LTD

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.

Included accessories

- 2 baskets
- Automatic defrost
- End of cycle, Hi&low limit audible alarm
- RS232/485 interface
- Caster for moving
- Hard copy/soft copy instruction and maintenance manual

Options

- Recorder
- Door lock system
- Viewing window
- Customization available

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.

Specifications

Model	Internal dimesnions (mm)			Eternational dimensions (mm)			Useful capacity
	Width	Depth	Hight	Width	Depth	Hight	
ETSP-UV 1200	1500	800	800	2200	1900	1900	1200 liters
ETSP-UV 2600	2000	1300	1000	2200	1800	2100	2600 liters
ETSP-UV 3750	2500	1500	1000	2800	2100	2100	3750 liters
ETSP-UV 6900	3000	2300	1000	3300	2900	2100	6900 liters

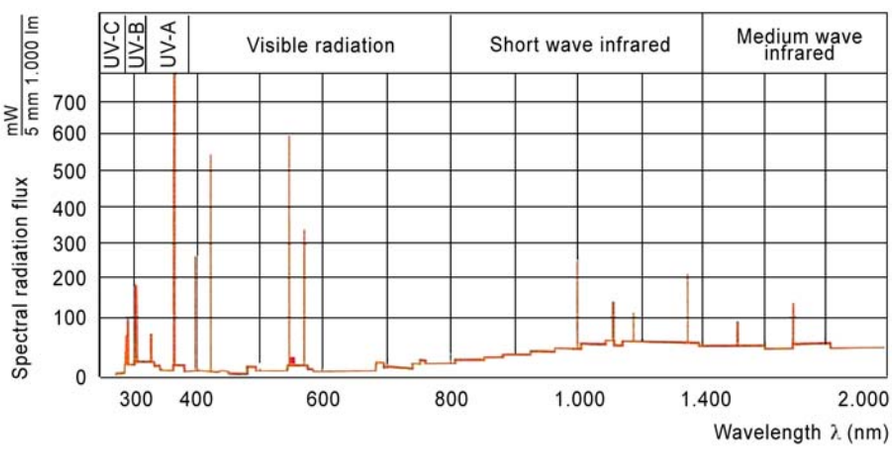
Note: Different size of chambers are available on user's demand. Chamber dimensions are subject to change due to final design and specification.

Technical Features

UV Temperature range	RT ~70 °C
Input Power Requirements	230V± 10%, 380V ± 10%, 50Hz/60Hz, 1PH/3PH (Changeable according to customer specification.)
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.	

Operating time illuminance

h	lx	UVB 280-315 nm W/m²	UVB 315-400 nm W/m²	UVB 380-780 nm W/m²
1	14.400	3.0	13.6	41.4
500	13.700	1.8	11.0	39.0
1.000	10.800	1.1t	7.3	29.7



Illuminance and irradiance of the ULTRA-VUTALUX lamp
(Distance : 0.5 m)