

# PV Series

## Solar / Photovoltaic Chambers

The PV Series from Weiss Technik is designed and engineered to give top performance for all your solar/photovoltaic testing requirements. Our customers have come to depend on our reliability, durability and superior performance. The PV Series are built to withstand the aggressive temperature and humidity testing with solar/photovoltaic products. Our application engineers can help customize a solution specific to your testing requirements.



Custom Double Door Design



Standard Single Swing Door Design

### Features:

- Meets Testing Standards:
  - IEC 61215, 61646, 61730, 62108
  - UL1703
  - GB19064
  - ASTM E1171
- Ability to reach a 95°C @ 95%RH. Allows for shorten test time.
- Custom, larger workspaces available

## Design & Performance

Model Number		PVT / PVH 120	PVT / PVH 140	PVT / PVH 216	PVT / PVH 324	PVT / PVH 345
Airflow		Rear-Wall				
Test Space Volume	Cubic Feet/Liters	120 / 3398	140 / 3964	216 / 6116	324 / 9175	345 / 9769
Test Space Dimensions	Width	40" (1016mm)	48" (1219mm)	74" (1880mm)	72" (1829mm)	74" (1880mm)
	Depth	96" (2438mm)	60" (1524mm)	60" (1524mm)	72" (1829mm)	96" (2438mm)
	Height	54" (1372mm)	84" (2134mm)	84" (2134mm)	108" (2743mm)	84" (2134mm)
Exterior Dimensions	Width	80" (2032mm)	80" (2032mm)	88" (2235mm)	86" (2184mm)	88" (2235mm)
	Depth	176" (4470mm)	140" (3556mm)	140" (3556mm)	152" (3861mm)	176" (4470mm)
	Height	88" (2235mm)	106.25" (2699mm)	106.25" (2699mm)	130" (3302mm)	106.25" (2699mm)
Meets Test Standard <sup>1</sup>		IEC 61215, 61646, 61730, 62108; UL1703; GB19064; ASTM E1171				
Recommended Number of Solar Panels <sup>2</sup>		5 to 8	6 to 14	8 to 20	8 to 20	8 to 20
Temperature Range	Minimum	-70°C (-94°F)				
	Maximum	+150°C (+302°F)				
Humidity Range <sup>3</sup>		20%RH to 95%RH				

Performances are based on laboratory conditions at +24°C, 60 Hz, with cooling water inlet temperature and flow rate according to requirements. Performances at 50 Hz may vary. Please consult with your local Sales Representative if your conditions vary.

<sup>1</sup> "THERMAL CYCLING", "HUMIDITY-FREEZE", "DAMP HEAT" methods

<sup>2</sup> Number of panels based on weight of 55lbs (25kg) per panel, spaced 4" (102mm) on center

<sup>3</sup> Humidity range is only applicable to PVH models, extended range available with optional air-drying equipment

**Custom sizes available**