



Photo Emission Tech., Inc.

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SOLAR SIMULATOR MODEL # SS100AAA

FEATURES

- Light intensity feedback for stable output intensity
- Safe lamp alignment mechanism. Alignment with lamp off.
- Lamp life hour meter
- Manual / automatic shutter control with programmable shutter timer 0.1 sec. to 999 sec.
- External shutter control
- Forced air cooling
- Light intensity meter
- Lamp current meter
- Selectable and adjustable constant intensity or constant lamp current
- Over voltage warning LED
- Over current warning LED
- Lamp short warning LED
- Safety Interlock override LED

TECHNICAL SPECIFICATIONS

FEATURE DESCRIPTION	SPECIFICATION
LIGHT SOURCE UNIT	
Type of lamp	Xenon Short Arc
Lamp Power	500 W
Max. Illuminated area	3.94" (100mm) x 3.94" (100mm)
Light Source	Steady State
Air Mass	AM1.5G Standard: AM0 or AM1 optional
Lamp lifetime	1000 Hours
Adjustment Range of light intensity	100 mW/cm ² +/- 15%
Simulator class	A
Spectral Match to ASTM E927	+/-25% or better
Non-uniformity of irradiance as per ASTM E927	≤2% or better
Temporal Stability as per ASTM E927	≤2% or better
Dimensions (Height x Width x Depth)	28.9" (735mm) x 13.8" (350mm) x 26.0" (660mm)
Weight	77Lbs. (35 Kg)
POWER SUPPLY UNIT	
Phase/Voltage/Frequency	Single Phase/110-220 Volts/50-60Hz
Max. Power Consumption	1.7 KVA
Dimension (Height x Width x Depth)	11.4" (290mm) x 17.7" (450mm) x 18.5" (470mm)
Weight	77 Lbs. (35 Kg)