

## Technical Specifications

### **Steady State Solar Simulator**

**Type:** Continuous light supply for steady state operation

**Application:** For testing of solar thermal collectors

**Measurement Area of test solar thermal collector:** 1mt X 1mt

**Light source type:** Xenon lamp type or Metal Halide type

**Spectra:** AM1.5G

**Spectral Match:** 0.6-1.4

**Spatial non uniformity:**  $\leq 5\%$

**Temporal instability:**  $\leq 5\%$

**Peak light source intensity on plane of measurement:**  $\geq 1000 \text{ W/m}^2$  (1 Sun)

**Light source intensity variation:**  $200 \text{ W/m}^2 - 1000 \text{ W/m}^2$

**Tilting angle of solar thermal collector holder:** 0 deg (Horizontal) to 90 deg (Vertical)

**Tilting angle of light source:** 0 deg (Horizontal) and 90 deg (Vertical)

**Power Requirement:** 3 Phase, 50 Hz

**Fault Protection:** Phase balancing, over load protection, Automatic Trip over

**Accessories:** Pyranometer, Power cables

**Warranty Period:** One year

**Optional:** Additional 2 years warranty