

Alfartec

PV Module Tester



BlueSky MT100

Very long pulse

Perfect spectrum

Low operation costs

KEY BENEFITS

✓ **Innovative high performance**
Sun Simulator

✓ **Class A+A+A+** according to IEC 60904-9, JIS C8933 and JIS C8912 standards, thanks to the innovative technologies developed in-house

✓ **Variable illumination duration**

✓ Also suitable for **degradation test and light soaking**

✓ **Adjustable** irradiance intensity and spectral range

✓ Suitable for complete and accurate characterization of **every type of photovoltaic solar modules**

✓ **Larger spectral range** compared to “LEDS only” module testers

✓ **Long-lifetime of components**, included lamps (up to 50 million flashes), thus low cost of ownership



TECHNICAL SPECIFICATIONS

Light sources :	LEDs and Halogen (LEDs only in option)	Air mass:	AM 1.5 (Options: AM0, 1, 2, 2.5)
Lamp Lifetime :	> 15'000 h	Electronic load	± 2 / 20 / 200 V 0.2 / 2 / 20 A (other values on request)
Spectral range :	350 to 1200 nm (Customized spectrum upon request)	Electrical accuracy	< 0.2 % (each channel)
Illumination intensity :	0.1 to 1.2 kW/m ² (> 1.2 kW/m ² upon request)	Weight:	approx. 300 Kg
Spectrum match (STC) :	A+	Dimensions (l x L x h)	approx. 1.4 x 1.8 x 1.2 m (Horizontal design in option)
Non-Uniformity:	A+		
STI &LTI:	A+		
Flash duration:	100ms to continuous	Orientation:	Vertical (Horizontal face down or Horizontal face up in Option)
Stabilization time	LEDs/Halogen: 1s LEDs only: 100 ms		
Illuminated area:	1.0 x 1.0 m (Larger size in option)		

We can adapt our designs to your specific requirements, so ask us for any change you may desire on above specifications.

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