



SOLAR Module TESTER

DKSMT series

I-V tester is based on IEC60904-1 and JIS C 8914

Solar simulator is based on IEC60904-9 and JIS C 8212

Output characteristic inspection tester of crystalline solar cells

Available for both of R&D and mass-producing

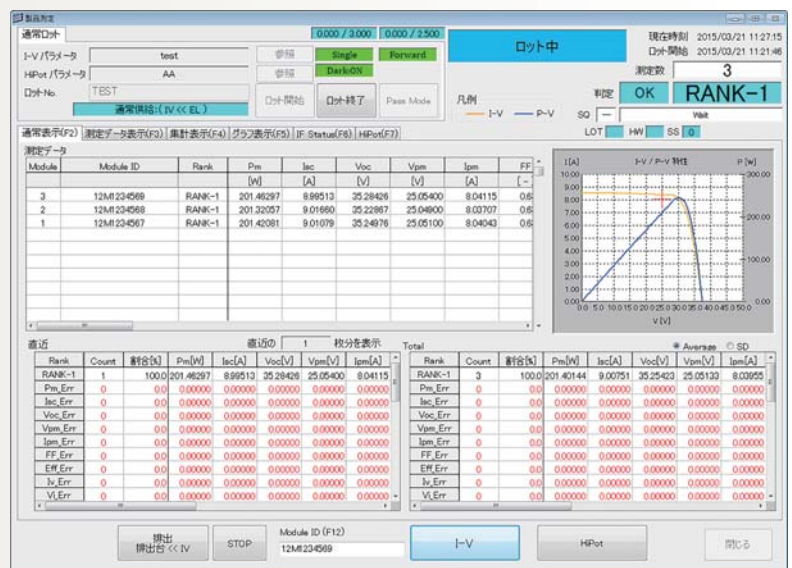


Standard functions

- Automatic production mode
- Manual measurement mode
- Automatic irradiance adjustment function
- Repeatability measurement function
- Variety type setting
- Rank setting
- Parameter setting and measured data saving
- I-V tester self check function

Standard structure

- Solar simulator : Class AAA
- I-V tester with PC(Windows 7)
- Monitor cell with temperature control function
- Temperature measurement unit
- UPS



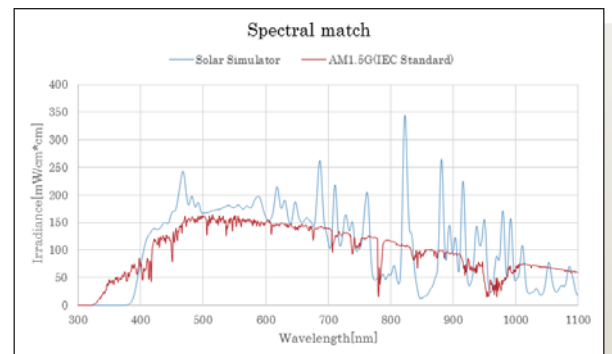
I-V Tester Specifications

Power supply		1φ AC200V to 220V, 50/60Hz 3000VA		
I-V Tester	Output Voltage	Output voltage range	30V Range : -0.3V to +30V 300V Range : -0.3V to +300V	
		Output current range	-0.3A to +20A	
		Maximum power	400W	
		Setting resolution	1/30000 of Range	
		Setting accuracy	±(0.1% of F.S. + 0.1% of Setting)	
	Voltage Measurement	Measurement range	3V Range : -0.3V to +3V	7.5V Range : -0.3V to +7.5V
			15V Range : -0.3V to +15V	30V Range : -0.3V to +30V
			75V Range : -0.3V to +75V	150V Range : -0.3V to +150V
			300V Range : -0.3V to +300V	
	Measurement resolution	1/30000 of Range		
	Measurement accuracy	±(0.1% of F.S. + 0.1% of Reading)		
	Current Measurement	Measurement range	200mA, 2.5A, 5A, 10A, 20A Range	
		Measurement resolution	1/20000 of Range	
		Measurement accuracy	±(0.1% of FS + 0.1% of Reading)	
Irradiance Measurement	Measurement range	±200mA		
	Measurement resolution	±0.02mA		
	Measurement accuracy	±(0.2mA + 0.1% reading)		
	Measurement points	3 points (Module, Monitor cell, Room temperature)		
OS	Microsoft Windows 7 professional			
Dimension W×D×H (mm)	580mm×1700mm×700mm Not including projection			

Solar Simulator Specifications

Spectral Match	0.75 - 1.25 (ClassA)
Temporal Instability of Irradiance	≤ 2% (ClassA)
Non-uniformity of Irradiance	≤ 2% (ClassA)
Effective irradiance area	1100mm×2000mm
Pulse duration	10ms or 100ms
Lamp Life Time	Average 100,000 Flashes
Flash interval	Minimum 15 second (Initial charge : 90 second)

Spectral Match



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