



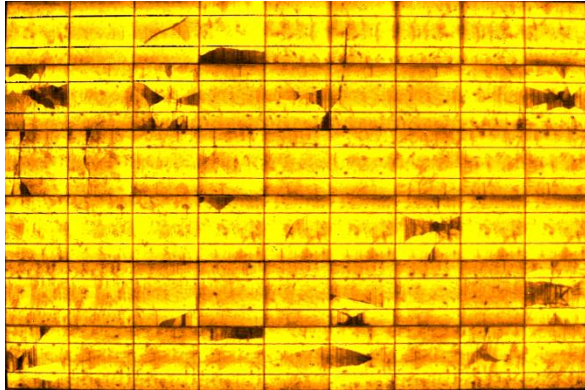
DaySy

Patented Daylight Luminescence System

Inspects up to 3000 PV modules per day with high resolution Electroluminescence (EL) and Photoluminescence (PL).

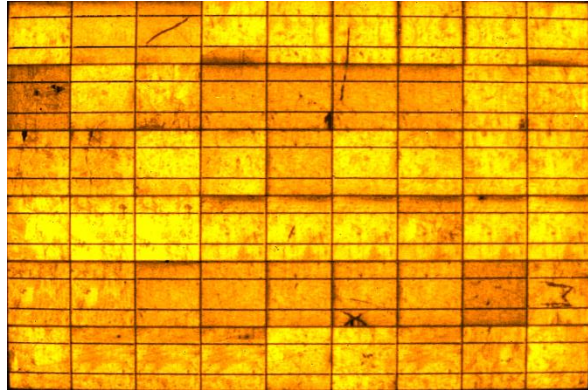
“Start inspection during the day, continue at night if necessary!”

Electroluminescence (EL) shows



inactive areas and quantifies series resistance

Photoluminescence (PL) shows



material quality and quantifies parallel resistance

DaySy Cam makes all the difference in Throughput of up to 3000 PV modules per day

Model	320e	640e	1280e
Image Size	0.3 MP	1.3 MP	5.2 MP
EL	PID	2500	3000
	Inactive Area > 5%	1200	2000
	Microcracks	800	1500
PL	PID	2000	2500
	Inactive Area > 5%	1000	1750
	Microcracks	500	1250

DaySy Box provides different levels of Excitation for PL and EL

Model	DaySy-P	DaySy-E	DaySy Pro 1000
PL Imaging	✓	✗	✓
EL Imaging	✗	✓	✓
PV Powered	✗	✗	✓
Weight	5 kg		25 kg
Dimensions	20x15x10 cm		90x60x15 cm
PV Current/Voltage	max. 10 A / 1000 Vdc		
AC Mains	100 – 240 Vac		
Ingress Protection	IP 54		
DaySy PSU		Required	Optional
DC Current/Voltage		5.5 A / 660 Vdc	
Series Connection		2 units in series increase voltage to 1000 Vdc	
Dimensions		60x60x20 cm	
Weight		24 kg	
AC Mains		200 – 480 Vac; single or three phase	
Ingress Protection		IP 54 in transport case	