

EL PRO

PORTABLE EL TESTER

DATA SHEET

- Fast and easy EL image acquisition in field and lab
- 24 MP CMOS based EL Camera
- Exposure Time: 1 - 20 sec per snap
- Includes DC Power Supply for biasing panels
- Suitable for Crystalline Silicon and CdTe solar panels
- Software for image capture, processing and analysis of defects



24 Mega Pixel modified CMOS EL Camera



Tripod / Quadpod Stand



DC Power Supply Unit



Focus Lamp



DC + AC cables



Carrying Case



Filter



EL Assistant Software

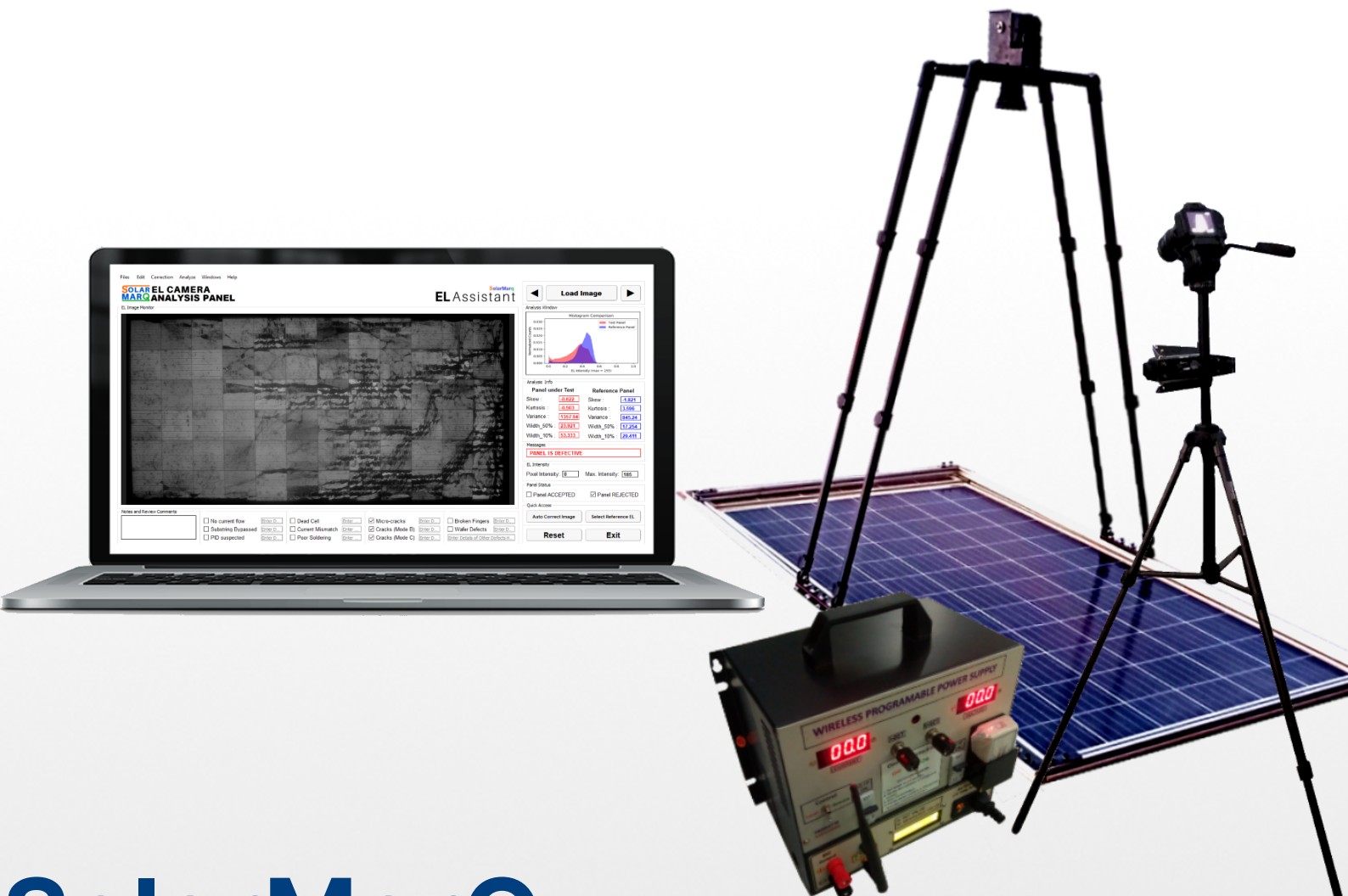


Dedicated Laptop

24 MP
EL CAMERA

20-40 sec
TIME PER MODULE

IEC TS 60904-13
COMPLIANT



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COMPONENT	SPECIFICATION	
EL CAMERA	Sensor: CMOS sensor, 24 Mega Pixel per still frame Exposure time (still images): Minimum 1/3 second and maximum 30 seconds Exposure time (Continuous Mode): Up to 4 frames per second Memory card: 16 GB ISO: 100 to 12800 Control: Both wired and wireless control possible Data transfer ports: USB Lens: Capable to take full image of a 2 m x 1 m solar panel from less than 1.5 m distance Battery: 1 no. spare battery provided along with charger Weight: Less than 1 kg with battery	
Optical Filter	Visible Light cut-off filter to enable camera operation in illuminated condition (fluorescent or LED bulbs)	
Focus Lamps	1000 Watt IR Lamp (Additional 5 bulbs will be provided as spare)	
DC Power Supply	Input (AC): 220 Volts, 3.6 Amps Output (DC): 0-80 Volts, 0-10 Amps (Higher ratings are also available)	
Stand	TRIPOD (Standard) → Weight bearing capacity: 5 kg Maximum Height: 2 meter	(QUADPOD setup also available)
Laptop	Windows based laptop	
Bar Code Scanner	Wireless type	
Control Software (EL Assistant)	Software compliant with IEC requirements. Features include: Level Range Adjustment, Perspective Correction, Frame Subtraction, Histogram Comparison, Dark Area calculation etc.	
Cables	Cable to connect panel to DC power supply (5 m): 1 no. USB cable to connect camera to laptop: 1 no.	
Operating Temperature	0°C to 40 °C	
Use Environment	Both indoor and outdoor	

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