



Ecoprogetti has integrated his testing technology in a mobile truck. This mobile quality laboratory permits to check the module directly on the field. LED sun simulator, electroluminescence tester, thermal camera, bypass diode and Hi-pot testing will provide a complete vision of the PV park integrity and efficiency after being installed. Module testing like in a laboratory is now easy and possible in field thanks to ECOTRUCK.



CHARACTERISTICS

- COMPACT DIMENSIONS
- LED SUN SIMULATOR IN A+A+A++ CLASS
- HIGH RESOLUTION EL TESTER
- BATTERY PACK FOR IN-FIELD AUTONOMY
- AIR CONDITIONING AND MODULE COOLING SYSTEM
- THERMAL CAMERA INCLUDED
- SPECTRUM RANGE 300-1200nm

SUITABLE BOTH FOR
60 AND 72 CELLS/MODULE

TESTING IN
A+A+A++
CLASS

SUITABLE FOR
MONO, POLY,
THIN-FILM,
BACK CONTACT,
PERC, HJT, BIFACIAL

OPTIONALS

HIGHER RESOLUTION IMAGE CAMERA
Available



Images for illustrative purposes only

ECOPROGETTI Srl - Italy

Via dell'Industria e dell'Artigianato, 22/D, Carmignano di Brenta, 35010 - Padua

Tel. +39 049 7444900 - info@ecoprogetti.com - www.ecoprogetti.com



TECHNICAL SPECIFICATIONS

GENERAL	
MAX. MODULE DIMENSION	1200x2020 mm
MODULE TYPES	Mono, poly, thin-film, back contact, PERC, HJT,
CELLS/MODULE	60 and 72 cells/module, 92 cells (as optional)
POWER SUPPLY	Battery pack or grid or generator
DIMENSIONS (WxHxL) ; WEIGHT	2370x2620x4430 mm ; 810 kg
SUN SIMULATOR	
LIGHTSOURCE TECHNOLOGY	LED, 50 million pulses lifetime
ILLUMINATED AREA	1400x2200 mm (customisation possible)
NON UNIFORMITY	± 1%
SHORT THERM INSTABILITY	± 0.125%
TEST DURATION	100ms - 300 ms standard
IRRADIATION LEVEL	200-1200 W/m ²
REPEATING ACCURACY	< 0.5% deviation
SPECTRUM RANGE	300-1200 nm; AM 1.5
ELECTROLUMINESCENCE	
CAMERA	NIR CMOS
MAXIMUM FEED UP RATINGS	150 V / 20 A (Customised range available)
IMAGE RESOLUTION	24 Mpx - 320µ/px (customisation possible)
IMAGE ACQUISITION TIME	< 20s
EXPOSURE TIME	4-10s/snap
THERMOGRAPHY	
CAMERA	IR Fluke camera
RESOLUTION	320x240 px
TEMPERATURE RANGE	-20°C to 250°C
PC SPECIFICATIONS	
OS & PROCESSOR	Windows 10 Pro 64 bit Intel i5 or more
RAM	8 GB
HDD	1TB SSD driver
MONITOR	24.5"
OTHER CHARACTERISTICS	
POWER GENERATOR	Included, 3kW
BATTERY PACK	4h autonomy (longer available as optional)
INVERTER	DC/AC
AIR CONDITIONING & COOLING SYSTEM	Included
ACCESSORIES INCLUDED	Bar code reader, laser printer, toolkit, bypass diode testing
OPTIONALS	Hi-pot testing, label printer

UTILITY SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
LINE	1+P+N
VOLTAGE	120-240 V
FREQUENCY	50/60 Hz
PEAK POWER	3 kW
POWER CONSUMPTION	2 kW
MAX CURRENT	13 A