



TE4A

SOLAR LIGHT BANK

Floor-standing apparatus with 15 tungsten Halogen Lamps consuming up to 6 kW of power.



KEY FEATURES

- Designed to work with TecEquipment's Photovoltaic Cells experiment (TE4)
- Five banks of three R7 tungsten halogen lamps (15 total) consuming a power of up to 6 kW
- Allows the photovoltaic experiment to be carried out in the lab (requires no outside space)
- Allows repeatability of experiments
- The legs can be removed for storage and transport

SOLAR LIGHT BANK

DESCRIPTION

An ancillary for the Photovoltaic Cells Experiment (TE4) from TecQuipment.

The Solar Light Bank (TE4a) has five banks of three R7 tungsten halogen lamps (15 total). Each bank can be turned on and off independently. When running at full capacity the lamps can consume up to 6 kW of power.

Designed to stand beside the TE4 and to direct the light directly onto the photovoltaic cells.

The TE4a enables the TE4 to be used without direct sunlight. It also enables experiments to be accurately replicated and not reliant on the presence of steady sunshine.

STANDARD FEATURES

- Supplied with a comprehensive User Guide
- Five-year warranty
- Manufactured in accordance with the latest European Union directives
- ISO9001 certified manufacturer

LEARNING OUTCOMES

Enables the TE4 to be used without direct sunlight to study:

- Performance of the solar panel
- Demonstration of float mode
- Demonstration of load cut

OPERATING CONDITIONS

OPERATING ENVIRONMENT:

Laboratory

STORAGE TEMPERATURE RANGE:

-25°C to +55°C (when packed for transport).

OPERATING TEMPERATURE RANGE:

+5°C to +40°C

OPERATING RELATIVE HUMIDITY RANGE:

80% at temperatures < 31°C decreasing linearly to 50% at 40°C.

SPECIFICATIONS

TecQuipment is committed to a programme of continuous improvement; hence we reserve the right to alter the design and product specification without prior notice.

NETT DIMENSIONS AND WEIGHTS:

780 mm wide x 850 mm high x 510 mm depth and 28 kg

TOTAL PACKED DIMENSIONS AND WEIGHT:

0.11 m³ and 33 kg

ESSENTIAL SERVICES

ELECTRICAL SUPPLY:

Three Phase, 380 - 440 VAC, 50/60 Hz, 10A