



Connecting Through Innovation!

300W, 12V PORTABLE SOLAR BLANKET KIT

MODEL NO. KT70723



CHARGES LIFEPO4, LTO (LITHIUM TITANIUM OXIDE), GEL, AGM, CONVENTIONAL LEAD-ACID, WET & CALCIUM BATTERIES

The innovative & powerful KT 300 Watt Portable Solar Blanket is ideal for 4WD, Camping & Recreational Outdoor Activities. Included with this kit, is a PWM 20Amp Solar Charge Regulator (IP65 Rated), Suitable for charging WET, Calcium, LifePO4 (Lithium Iron Phosphate), LTO (Lithium Titanium Oxide), Gel & AGM Batteries. Power Leads and Accessories included for easy connection to batteries & devices.

Designed as a convenient, light-weight, space-saving solar solution, the KT 300 Watt Solar Blanket features 3 x 5 (15 total) Monocrystalline Solar Cells which fold neatly into an easily transportable 390mm x 380mm x 140mm carry bag, and weighing in at a light 8.85Kg.

Manufactured with a scratch-resistant matte coating for extra durability in Australian off-Road conditions, The KT 300 Watt Solar Blanket features an innovative anti-theft tab which can be locked into the door of a vehicle, for peace of mind. The easy mounting loops allow the blanket to be mounted in various positions for ultimate solar harvest.

FEATURES - MODEL NO. KT70723

- ✓ One-Piece Easy-Fold 300 Watt Solar Blanket
- ✓ Small, compact design for easy transportation and storage
- ✓ 50A Heavy Duty Connector wired to Solar Blanket for easy power connection
- ✓ 20A, 12V PWM Solar Charge Controller (IP65)
- ✓ 5M Power Lead with easy 50A connections to power
- ✓ 55cm Power Lead with Positive/Negative battery clamps & 20A in-line fuse
- ✓ Features securing tab to fix solar blanket to vehicle
- ✓ Blanket features loops along the edge to allow mounting in various positions
- ✓ Five accreditation certificates





The KT70723 features a built-in 20A, 12V PWM Solar Controller to prevent your battery from being under charged or overcharged. Overcharging occurs when the charge voltage is unregulated. This can result in premature battery failure.

- Advanced MCU control Pulse Width Modulated (PWM) technology, high efficiency operation.
- Suitable for LiFePO4, LTO (Lithium Titanium Oxide), Gel, AGM, Conventional Lead-Acid (WET) and Calcium Batteries.
- The unit provides an automatic equalisation feature for deeply drained conventional Lead-Acid or Calcium batteries, as well as providing a cycling automatic equalising feature every 28 days.
- Can be connected to the battery permanently to keep the battery fully charged using a process called 'floating'. This means that the controller will stop charging when the battery is full and will automatically start charging the battery as required. This process will also reduce water loss and help prevent the battery from 'drying out'.
- Protects your battery from discharge at night, low light or no light conditions.
- Coloured LED's to indicate the operational status and battery conditions.
- Digital LCD to directly display battery voltage, charging current, charging capacity (Amp-Hour), battery types, full charge and faulty codes.
- Multi-charging protections against reverse polarity, short circuit, over temperature, over voltage, etc.

INCLUDED IN THE KIT

- A.** 300W Solar Blanket which conveniently folds into a transportable bag
- B.** 55cm Power Leads with Positive/Negative Battery Clamps & 20Amp In-Line Fuse (25mm² Twin Core Cable)
- C.** 20Amp, 12V Solar Charge Controller with 180mm Cable Length (2.5mm² Twin Core Cable)
- D.** 5M Power Lead with 50Amp connections (2.5mm² Twin Core Cable)

SPECIFICATIONS

Type	Monocrystalline
Maximum Power (Pmax)	300Wp
Maximum Power Voltage (Vmp)	18.8V
Maximum Power Current (Imp)	15.95A
Open Circuit Voltage (Voc)	22.15V
Short Circuit Current (Isc)	16.42A
Test Conditions	AM1.5, 25°C, 1000W/m2
Fuse	20A
Battery Connections	Battery Clamps
Product Application	Class A
Product Weight	8.85Kg

ACCREDITATION CERTIFICATES

