

THUNDER



Solar Power Range

Connection to your Weekend Escape

CAMPING • 4WD • ADVENTURE



THE THUNDER DIFFERENCE

Thunder helps take you places you've never been before, making adventure more affordable and accessible for up and coming 4WD enthusiasts.

Designed for the working adventurer, Thunder products have been tested and developed to handle anything you can throw at them without breaking the bank.

The growing range of lights, switches, charging equipment and 4WD recovery products are taking Australia and New Zealand by storm.



WELCOME TO YOUR WEEKEND ESCAPE

Complementing Thunder's comprehensive range of products designed to enable maximum enjoyment from your 4X4 getaway is the solar panel range, providing a convenient, affordable off-grid power solution.

The Thunder solar panel range includes folding solar panels for convenient relocation and sun chasing, as well as panels which can be permanently mounted onto your caravan or vehicle.

Offering a range of sizes and power outputs, including all relevant accessories, the Thunder solar panel range has everything you need for environmentally friendly, portable electricity for your next adventure.



SOLAR POWER RANGE



150 WATT SOLAR PANEL

PART NO. TDR15004

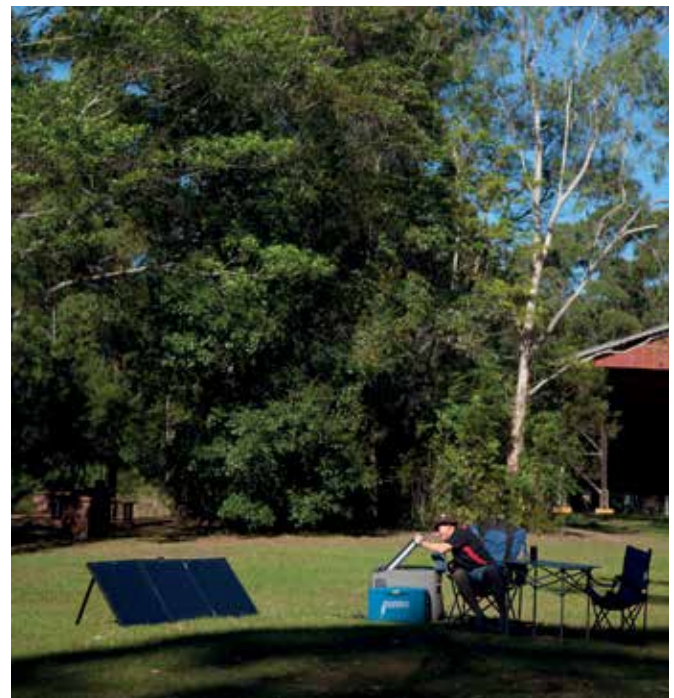
With the increasing popularity of free camping and the plethora of electronic gadgets being relied on during these getaways, constant, reliable and portable power is more necessary than ever. Whilst generators have long since been the preferred option for providing off-grid power, their excessive weight and noise make them an undesirable choice.

Advances in 12 volt technology and a preference towards greener solutions are driving generators to obsolescence. Most camping electronics can be run from a quality 12 volt system, and with the addition of a solar charging solution, batteries will be running for weeks without requiring a 240 volt boost.

The Thunder range of solar panels are made of high quality monocrystalline solar cells which provide maximum efficiency and longevity. Thunder solar panels ensure you have a dependable source of power without occupying excessive space or polluting that peaceful camping experience with excess noise.



SPECIFICATIONS	
TYPE	Monocrystalline
MAXIMUM POWER	150 Watts
OPEN CIRCUIT VOLTAGE	22.14 Volts
SHORT CIRCUIT CURRENT	9.35 Amps
MAXIMUM POWER VOLTAGE	18.45 Volts
MAXIMUM POWER CURRENT	8.13 Amps
WEIGHT	12kg
DIMENSIONS	1,480mm(L) x 680mm(W) x 35mm(D)





120 WATT SOLAR PANEL

PART NO. TDR15003

With the increasing popularity of free camping and the plethora of electronic gadgets being relied on during these getaways, constant, reliable and portable power is more necessary than ever. Whilst generators have long since been the preferred option for providing off-grid power, their excessive weight and noise make them an undesirable choice.

Advances in 12 volt technology and a preference towards greener solutions are driving generators to obsolescence. Most camping electronics can be run from a quality 12 volt system, and with the addition of a solar charging solution, batteries will be running for weeks without requiring a 240 volt boost.

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SPECIFICATIONS	
TYPE	Monocrystalline
MAXIMUM POWER	120 Watts
OPEN CIRCUIT VOLTAGE	22.8 Volts
SHORT CIRCUIT CURRENT	7.50 Amps
MAXIMUM POWER VOLTAGE	18.40 Volts
MAXIMUM POWER CURRENT	6.52 Amps
WEIGHT	8.5kg
DIMENSIONS	1,130mm(L) x 680mm(W) x 35mm(D)



SOLAR POWER RANGE



80 WATT SOLAR PANEL

PART NO. TDR15002

With the increasing popularity of free camping and the plethora of electronic gadgets being relied on during these getaways, constant, reliable and portable power is more necessary than ever. Whilst generators have long since been the preferred option for providing off-grid power, their excessive weight and noise make them an undesirable choice.

Advances in 12 volt technology and a preference towards greener solutions are driving generators to obsolescence. Most camping electronics can be run from a quality 12 volt system, and with the addition of a solar charging solution, batteries will be running for weeks without requiring a 240 volt boost.

The Thunder range of solar panels are made of high quality monocrystalline solar cells which provide maximum efficiency and longevity. Thunder solar panels ensure you have a dependable source of power without occupying excessive space or polluting that peaceful camping experience with excess noise.



SPECIFICATIONS	
TYPE	Monocrystalline
MAXIMUM POWER	80 Watts
OPEN CIRCUIT VOLTAGE	21.88 Volts
SHORT CIRCUIT CURRENT	5.05 Amps
MAXIMUM POWER VOLTAGE	18.23 Volts
MAXIMUM POWER CURRENT	4.38 Amps
WEIGHT	5.8kg
DIMENSIONS	790mm(L) x 675mm(W) x 35mm(D)





50 WATT SOLAR PANEL

PART NO. TDR15001

With the increasing popularity of free camping and the plethora of electronic gadgets being relied on during these getaways, constant, reliable and portable power is more necessary than ever. Whilst generators have long since been the preferred option for providing off-grid power, their excessive weight and noise make them an undesirable choice.

Advances in 12 volt technology and a preference towards greener solutions are driving generators to obsolescence. Most camping electronics can be run from a quality 12 volt system, and with the addition of a solar charging solution, batteries will be running for weeks without requiring a 240 volt boost.

The Thunder range of solar panels are made of high quality monocrystalline solar cells which provide maximum efficiency and longevity. Thunder solar panels ensure you have a dependable source of power without occupying excessive space or polluting that peaceful camping experience with excess noise.



SPECIFICATIONS	
TYPE	Monocrystalline
MAXIMUM POWER	50 Watts
OPEN CIRCUIT VOLTAGE	22.5 Volts
SHORT CIRCUIT CURRENT	3.19 Amps
MAXIMUM POWER VOLTAGE	18.0 Volts
MAXIMUM POWER CURRENT	2.78 Amps
WEIGHT	4.0kg
DIMENSIONS	675mm(L) x 540mm(W) x 35mm(D)



SOLAR POWER RANGE



240 WATT FOLDING SOLAR PANEL

PART NO. TDR15007

With the increasing popularity of free camping and the plethora of electronic gadgets being relied on during these getaways, constant, reliable and portable power is more necessary than ever. As a quieter, greener alternative, people are shifting towards solar power sources.

The Thunder range of solar panels are made of high quality monocrystalline solar cells which provide maximum efficiency and longevity. Thunder solar panels ensure you have a dependable source of power without occupying excessive space or polluting that peaceful camping experience with excess noise.

Conveniently folding into a portable carry case with collapsible legs to almost half the size, this solar panel can be used anywhere and easily relocated for maximum sun exposure. Also included is a heavy duty 6mm cable to reduce voltage drop, as well as a solar regulator making them ready to clip straight on to the battery.



SPECIFICATIONS

TYPE	Monocrystalline
MAXIMUM POWER	240 Watts (3 x 80 Watt)
OPEN CIRCUIT VOLTAGE	22.5 Volts
SHORT CIRCUIT CURRENT	14.2 Amps
MAXIMUM POWER VOLTAGE	18.0 Volts
MAXIMUM POWER CURRENT	13.3 Amps
DIMENSIONS (CLOSED)	780mm(L) x 675mm(W) x 105mm(D)
DIMENSIONS (OPEN)	2,340mm(L) x 675mm(W) x 35mm(D)
OPERATING TEMP	-40° to 85°C
WEIGHT	20.5kg



160 WATT FOLDING SOLAR PANEL

PART NO. TDR15006

With the increasing popularity of free camping and the plethora of electronic gadgets being relied on during these getaways, constant, reliable and portable power is more necessary than ever. As a quieter, greener alternative, people are shifting towards solar power sources.

The Thunder range of solar panels are made of high quality monocrystalline solar cells which provide maximum efficiency and longevity. Thunder solar panels ensure you have a dependable source of power without occupying excessive space or polluting that peaceful camping experience with excess noise.

Conveniently folding into a portable carry case with collapsible legs to almost half the size, this solar panel can be used anywhere and easily relocated for maximum sun exposure. Also included is a heavy duty 6mm cable to reduce voltage drop, as well as a solar regulator making them ready to clip straight on to the battery.



SPECIFICATIONS	
TYPE	Monocrystalline
MAXIMUM POWER	160 Watts (2 x 80 Watt)
OPEN CIRCUIT VOLTAGE	22.5 Volts
SHORT CIRCUIT CURRENT	9.46 Amps
MAXIMUM POWER VOLTAGE	18 Volts
MAXIMUM POWER CURRENT	8.89 Amps
DIMENSIONS (CLOSED)	780mm(L) x 675mm(W) x 70mm(D)
DIMENSIONS (OPEN)	1,350mm(L) x 780mm(W) x 35mm(D)
OPERATING TEMP	-40° to 85°C
WEIGHT	18.5kg



SOLAR POWER RANGE



80 WATT FOLDING SOLAR PANEL

PART NO. TDR15005

With the increasing popularity of free camping and the plethora of electronic gadgets being relied on during these getaways, constant, reliable and portable power is more necessary than ever. As a quieter, greener alternative, people are shifting towards solar power sources.

The Thunder range of solar panels are made of high quality monocrystalline solar cells which provide maximum efficiency and longevity. Thunder solar panels ensure you have a dependable source of power without occupying excessive space or polluting that peaceful camping experience with excess noise.

Conveniently folding into a portable carry case with collapsible legs to almost half the size, this solar panel can be used anywhere and easily relocated for maximum sun exposure. Also included is a heavy duty 6mm cable to reduce voltage drop, as well as a solar regulator making them ready to clip straight on to the battery.



SPECIFICATIONS

TYPE	Monocrystalline
MAXIMUM POWER	80 Watts (2 x 40 Watt)
OPEN CIRCUIT VOLTAGE	23.9 Volts
SHORT CIRCUIT CURRENT	4.39 Amps
MAXIMUM POWER VOLTAGE	20 Volts
MAXIMUM POWER CURRENT	4 Amps
DIMENSIONS (CLOSED)	675mm(L) x 460mm(W) x 70mm(D)
DIMENSIONS (OPEN)	1,350mm(L) x 460mm(W) x 35mm(D)
OPERATING TEMP	-40° to 85°C
WEIGHT	8.2kg

30 AMP SOLAR REGULATOR

PART NO. TDR15008

The 30 amp regulator acts as a battery monitor with the ability to view battery voltage, solar input voltage, accumulated amp hours (input and output), temperature and load.

- Waterproof PWM regulator and battery monitor
- Suitable for solar panels up to 360 Watts
- LCD monitor
- Fully automatic
- Low and high voltage disconnect



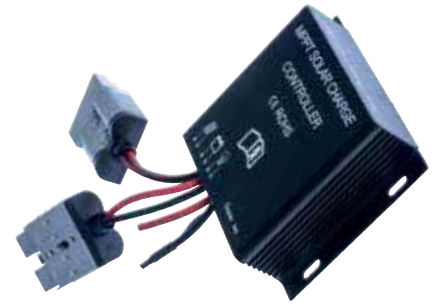
SPECIFICATIONS

RATED CURRENT	30 Amps	OPERATING TEMPERATURE	-10°C to 60°C
RATED VOLTAGE	12/24 Volts	STORAGE TEMPERATURE	-30°C to 70°C
OPEN CIRCUIT OF SOLAR PANEL	<50 Volts	DIMENSIONS	90mm(L) x 188mm(W) x 48mm(D)
LOW VOLTAGE DISCONNECTION	10.7/21.4 Volts	MOUNTING HOLE SPACING	60mm x 178mm
FLOAT VOLTAGE	14/28 Volts	WEIGHT	360g
LOW VOLTAGE RECONNECTION	12.6/25.2 Volts	BATTERY TYPE	Wet Cell rechargeable only
NO LOAD CURRENT	≤30mA		

10 AMP SOLAR REGULATOR

PART NO. TDR15009

- Waterproof MPPT regulator
- Suitable for solar panels up to 120 Watts
- LED indicators
- Fully automatic



SPECIFICATIONS

RATED CURRENT	10 Amps	OPERATING TEMPERATURE	-20°C to 60°C
RATED VOLTAGE	12/24 Volts	STORAGE TEMPERATURE	-30°C to 70°C
OPEN CIRCUIT OF SOLAR PANEL	<50 Volts	DIMENSIONS	105mm(L) x 81mm(W) x 29mm(D)
LOW VOLTAGE DISCONNECTION	10.6/21.4 Volts	MOUNTING HOLE SPACING	51mm x 95mm
FLOAT VOLTAGE	13.75/28 Volts	WEIGHT	400g
LOW VOLTAGE RECONNECTION	12.6/25.2 Volts	BATTERY TYPE	Wet Cell rechargeable only
NO LOAD CURRENT	≤25mA		

ANDERSON STYLE PLUG LEADS



**50 AMP ANDERSON
STYLE PLUGS 3M EXTENSION
LEAD**
PART NO. TDR02003



**50 AMP SINGLE
ANDERSON STYLE
PLUG TO TWIN
ANDERSON STYLE PLUGS**
PART NO. TDR02004



**50 AMP ANDERSON STYLE
PLUG TO EYE TERMINALS
LEAD**
PART NO. TDR02005



**50 AMP ANDERSON STYLE
PLUG TO ALLIGATOR
CLIPS LEAD**
PART NO. TDR02006