

**FROM A CAMPSITE IN THE KIMBERLEY TO A BEACH IN BINALONG BAY, TJM HAS THE COUNTRY COVERED FOR GETTING 4WD EQUIPPED.**

Since 1973, TJM has designed, tested and developed the most comprehensive and innovative range of 4WD equipment available in Australia today.

And our work goes on, in the toughest testing ground we know... our own backyard.

Whether you're camping or fishing, drilling or fencing, or just picking up the kids from school, get yourself TJM equipped for anything.

TJM Bull Bars, Nudge Bars, Side Bars and Steps, Alloy and Steel, engineered and refined to stringent Australian Safety Standards.

TJM Airtec Snorkels, TJM XGS Suspension, TJM Recovery Gear, TJM Winches, TJM Pro Lockers, TJM Roof Top Tents and Awnings, TJM and Aeroklas Canopies, Dual Battery Systems and a whole lot more.

The list keeps growing like a good bush yarn, because at TJM we're

always striving for new ideas that'll help and protect our customers while they enjoy their 4WD experience.

To see the complete TJM range of products visit [www.tjm.com.au](http://www.tjm.com.au) where you'll get a real good look at how TJM will get you equipped.

**OVER 60 STORES AUSTRALIA WIDE, STOCKING THE LARGEST RANGE OF THE BEST BRANDS, TJM IS WHERE YOUR JOURNEY BEGINS**

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**TJM EQUIPPED**  
ON AND OFF ROAD. WORK OR PLAY.

Authorised TJM outlet

**TJM DC/SOLAR BATTERY CHARGER**  
25 AMP, 3 STAGE SWITCHMODE

**TJM** by PROJECTA



**3YR**  
WARRANTY

**DON'T BE CAUGHT SHORT OF CHARGE**

Visit your local TJM store and get equipped for on and off road, work or play.

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**TJM EQUIPPED**  
ON AND OFF ROAD. WORK OR PLAY.



# 3YR TJM DC/SOLAR BATTERY CHARGER

## WARRANTY 25 AMP, 3 STAGE SWITCHMODE

New from TJM comes the intelligent DC/Solar battery charger (DC25A): the toughest and most advanced dual battery management system available on the market today. The TJM DC25A allows you to charge your 12V second/auxiliary deep cycle battery on the go. It is shock, vibration and dust proof, as well as water resistant, making it suitable for both in-vehicle and under-bonnet installation.

Able to charge simultaneously from both solar and alternator (9–32V) inputs, DC25A can also function as an MPPT solar controller and features dual charging modes for compatibility with both smart and conventional alternators. Loaded with a host of safeguard features, the easy to install unit includes over/under voltage, anti-sparking, reverse connection and over temperature protection systems to ensure peace of mind.

The TJM DC25A sets a new benchmark for DC-DC battery management.



Pre-wired cabling, labelled for ease of installation



Ideal for under bonnet installation



## CLASS LEADING FEATURES

### DUAL INPUT OPERATION

Simultaneous dual battery charging from both solar and alternator inputs, no manual switching required

### DUST, SPLASH & SHOCK PROOF

Sealed to IP67, DC25A will resist dust, water and shock damage, making it ideal for under bonnet installation

### 80 DEGREES CELSIUS

DC25A can safely operate (at a reduced charge rate) in extreme temperatures up to 80°C, as found in engine bays in hotter climates

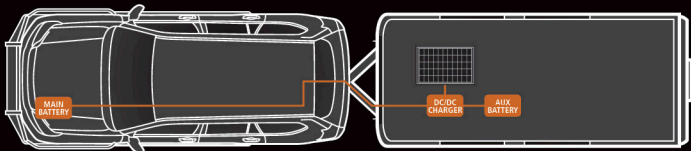
### TEMPERATURE COMPENSATION

DC25A will continually adjust its charge rate to suit the battery temperature, protecting it from overcharge and overheating

### PUSH BUTTON CHEMISTRY

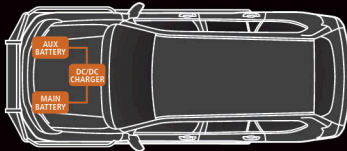
Adjust battery chemistry at the touch of a button for optimum charging

### CARAVAN INSTALLATION



A sophisticated dual battery charger engineered for invehicle or under bonnet installation on vehicles fitted with traditional or smart alternators

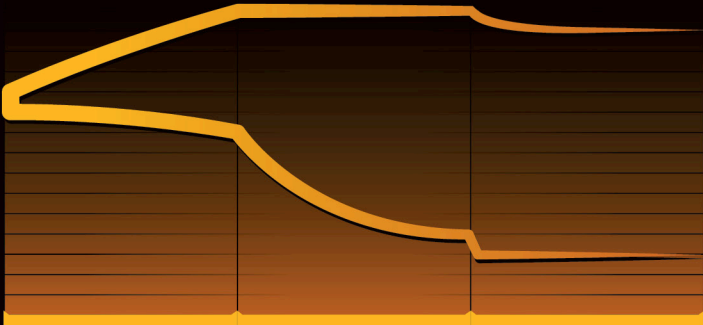
### 4WD INSTALLATION



Combines your Solar and Vehicles power to deliver a 3 stage charge ensuring longer battery life and performance

### 3 STAGE CHARGE

An advanced 3 stage charging process ensures a safe and complete charge



#### BULK CHARGING

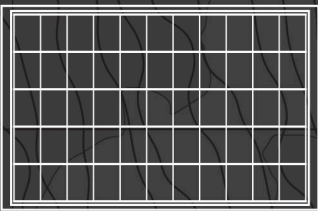
Automatically stops when battery is full

#### ABSORPTION

Ensures a full charge to the battery without overcharging

#### CONSTANT VOLTAGE FLOAT

Maintains constant voltage keeping the battery fully charged



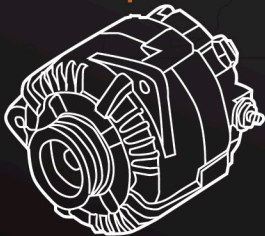
### 25A SOLAR MPPT

Using sophisticated MPPT (Maximum Power Point Tracking) solar regulator technology, DC25A operates as a solar controller, maximising the power generated from panels.



### REMOTE STATUS INDICATION

An additional wire is provided for driving an external LED indicator, in-cabin for example, to remotely display charging and fault status.



### SWITCHMODE TECHNOLOGY

Featuring the latest synchronous switching technology, DC25A's efficiency exceeds 94% at typical full load conditions, converting your vehicle's 12V DC/24V DC alternator power to a more complete charge and prolonging battery life.



### IGNITION CONNECTION/VSR

DC25A can be wired to the vehicle ignition, allowing it to operate only when ignition is turned on. This ignition connection also enables a "low input operation" mode, for compatibility with smart (variable voltage) alternators found in modern vehicles.

### MULTI-CHEMISTRY SUPPORT

Supporting GEL, AGM, WET and CALCIUM batteries, DC25A features periodic equalisation to remove acid stratification from calcium batteries.



SIZE	149 x 122 x 42mm
OPERATING TEMPERATURE	-10°C to +80°C
BATTERY CAPACITY	75-300Ah
ALTERNATOR INPUT VOLTAGE	9-32Vdc
SOLAR INPUT VOLTAGE	23Vdc
OUTPUT CURRENT	Input 9-11Vdc 20A Input 11V-32dc 25A
CHARGE CONTROL	Gel: 14.1V AGM: 14.4V WET: 14.7V Calcium 15.4V
SMART ALTERNATOR	12V Vehicle: Turn On: 12.2–20V Turn Off: <11.9V  24V Vehicle: Turn On: >=24.4–32V Turn Off: <24V
VSR ALTERNATOR	12V Vehicle: Turn On: >=13.4–20V Turn Off: <12.8V  24V Vehicle: Turn On: >=26.8–32V Turn Off: <25.6V



OVER TEMP PROTECTION

The TJMDC25A will automatically adjust its output based on battery temperature, preventing overcharge and overheating in small batteries and hotter climates.



OVER & UNDER VOLTAGE PROTECTION

The charger will detect and indicate a reversed connection on the input and output terminals, preventing damage to the internal circuitry of the unit.



REVERSE CHARGE PROTECTION

Reverse connection on input and output terminals does not damage the DC25A internal circuit. The DC25A detects reverse connection condition and indicates whether input or output connection is reversed.



SPARK FREE PROTECTION

The DC25A will not start charging the battery (no output) unless the load is securely connected. It prevents the output leads from sparking due to accidental short circuit making the charger safer to use around batteries.

## SPECIFICATIONS