

## IDC25 FOR SAFER CHARGING



### Over Temperature Protection

IDC25 will automatically adjust its output based on battery temperature, preventing overcharge and overheating in small batteries and hotter climates



### Reverse Connection 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



### Over and Under Voltage Protection

IDC25 will automatically shut down if it detects an over voltage or under voltage problem, preventing damage to the battery



### Spark-Free Protection

IDC25 will not begin charging unless the load is securely connected, preventing output leads from sparking due to accidental short circuit



## SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| <b>SIZE</b>                     | 149 x 122 x 42mm   |
| <b>OPERATING TEMPERATURE</b>    | -10°C to +80°C   |
| <b>BATTERY CAPACITY</b>         | 75–300Ah   |
| <b>ALTERNATOR INPUT VOLTAGE</b> | 9–32Vdc  |
| <b>SOLAR INPUT</b>              | 23Vdc, 400W  |
| <b>OUTPUT CURRENT</b>           | Input 9–11Vdc 20A<br>Input 11V–32dc 25A  |
| <b>CHARGE CONTROL</b>           | Gel: 14.1V<br>AGM: 14.4V<br>WET: 14.7V<br>Calcium: 15.4V   |
| <b>SMART ALTERNATOR</b>         | <b>12V VEHICLE</b><br>Turn On: 12.2–20V<br>Turn Off: <11.9V<br><b>24V VEHICLE</b><br>Turn On: ≥24.4–32V<br>Turn Off: <24V    |
| <b>VSR ALTERNATOR</b>           | <b>12V VEHICLE</b><br>Turn On: ≥13.4–20V<br>Turn Off: <12.8V<br><b>24V VEHICLE</b><br>Turn On: ≥26.8–32V<br>Turn Off: <25.6V |

|                     |                      |
|---------------------|----------------------|
| <b>PART No.</b>     | IDC25                |
| <b>Description</b>  | 9–32V 25A DC Charger |
| <b>Barcode</b>      | 9315219252517        |
| <b>Availability</b> | Ex Stock             |
| <b>Carton Qty</b>   | Box (1)              |



## INTELLI-CHARGE 25A 9–32V, 3 STAGE DC/SOLAR BATTERY CHARGER

- 25A SOLAR MPPT
- TEMPERATURE COMPENSATION
- MULTI-CHEMISTRY
- SIMULTANEOUS SOLAR AND ALTERNATOR CHARGING
- DUAL CHARGING MODES FOR SMART/ CONVENTIONAL ALTERNATORS



New from Projecta, the Intelli-Charge IDC25 is the toughest and most advanced dual battery management system available on the market today. Allowing you to charge your 12V second/auxiliary deep cycle battery on the go, the IDC25 is shock, vibration and dust proof. The unit is also 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, IDC25 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 IDC25 sets a new benchmark for DC-DC battery management.



*Ideal for under bonnet installation*



*Pre-wired cabling, labelled for ease of installation*

# INTELLI-CHARGE 25A 9-32V, 3 STAGE DC/SOL



## IDC25 FOR SMARTER CHARGING

### 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, IDC25 will resist dust, water and shock damage, making it ideal for under bonnet installation

- **80 DEGREES CELSIUS**

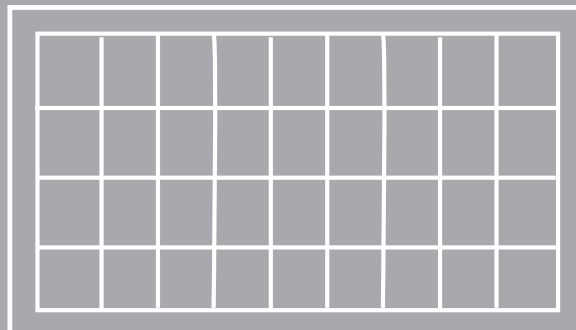
IDC25 can safely operate (at a reduced charge rate) in extreme temperatures up to 80° C, as found in engine bays in hotter climates

- **TEMPERATURE COMPENSATION**

IDC25 will continually adjust its charge rate to suit the battery temperature, protecting it from overcharge and overheating

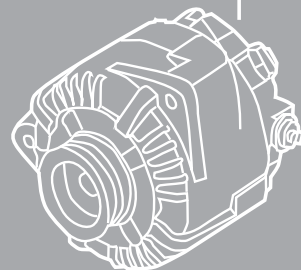
- **PUSH BUTTON CHEMISTRY**

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



#### 25A SOLAR MPPT

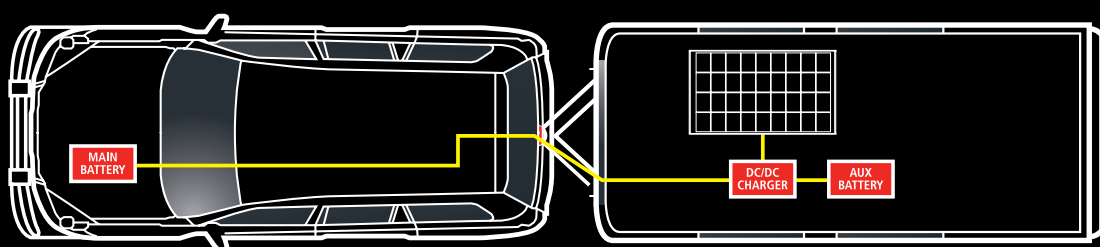
Using sophisticated MPPT (Maximum Power Point Tracking) solar regulator technology, IDC25 operates as a solar controller, maximising the power generated from panels



#### SWITCHMODE TECHNOLOGY

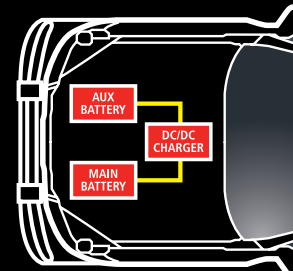
Featuring the latest synchronous switching technology, IDC25's efficiency exceeds 94% at typical full load conditions, converting your vehicle's 12V DC/ 24V DC alternator power to a more complete charge and prolonging battery life

### Caravan Installation



Combines your solar and vehicle's power to deliver a 3 Stage charge ensuring longer battery life and performance

### 4WD Installation



A sophisticated dual battery charging system for in-vehicle or under bonnet installation, compatible with traditional or smart batteries

# SOLAR BATTERY CHARGER



Attractive retail presentation



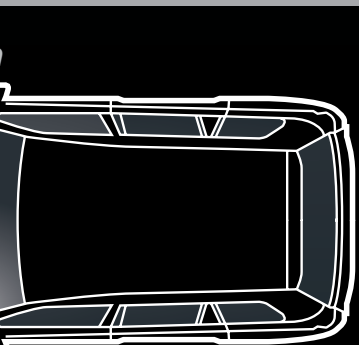
**REMOTE STATUS INDICATION**  
An additional wire is provided for driving an external L.E.D indicator, in-cabin for example, to remotely display charging and fault status



**MULTI-CHEMISTRY SUPPORT**  
Supporting GEL, AGM, WET and CALCIUM batteries, IDC25 features periodic equalisation to remove acid stratification from calcium batteries



**IGNITION CONNECTION / VSR**  
IDC25 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



Battery charger engineered for in-cabin installation on vehicles fitted with smart alternators

## 3 STAGE CHARGE

AN ADVANCED 3 STAGE CHARGING PROCESS ENSURES A SAFE AND COMPLETE CHARGE

