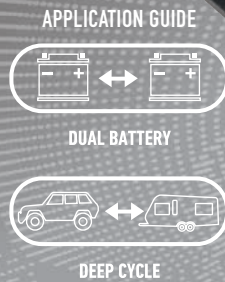


## INTELLI-CHARGE 45A 9-32V, 3 STAGE DC/SOLAR BATTERY CHARGER

### Features:

- 45A Solar MPPT
- Temperature Compensation
- Multi-chemistry
- Simultaneous Solar and Alternator Charging
- Dual Charging Modes for Smart/Conventional Alternators



Following the enormous success of the IDC25 DC/Solar Battery Charger, Projecta has now released a 45 Amp version that combines many of the market-leading features of the original, with a much larger output designed to deliver faster charging and handle more demanding applications. Allowing you to charge your 12V second/auxiliary deep cycle battery on the go, the IDC45 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, IDC45 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 IDC45 provides the ultimate solution for the most demanding DC/Solar battery charging applications.



Pre-wired cabling, labelled for ease of installation



Compact and able to operate in high temperatures makes it ideal for under bonnet installation



#### OVER TEMPERATURE PROTECTION

IDC45 will automatically adjust its output voltage 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

IDC45 will automatically shut down if it detects an over voltage or under voltage problem, preventing damage to the battery



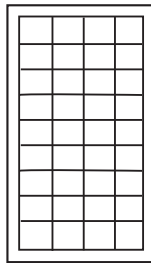
#### SPARK-FREE PROTECTION

IDC45 will not begin charging unless the load is securely connected, preventing output leads from sparking due to accidental short circuit

## INTELLI-CHARGE 45A 9-32V, 3 STAGE DC/SOLAR BATTERY CHARGER

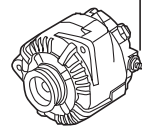
### CLASS LEADING FEATURES

- Dual Input Operation**  
 Simultaneous dual battery charging from both solar and alternator inputs, no manual switching required
- Dust, Splash & Shock Proof**  
 Sealed to IP67, IDC45 will resist dust, water and shock damage, making it ideal for under bonnet installation
- 80 Degrees Celsius**  
 IDC45 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**  
 IDC45 will continually adjust its charge voltage 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



**45A SOLAR MPPT**  
 Using sophisticated MPPT (Maximum Power Point Tracking) solar regulator technology, IDC45 operates as a solar controller, maximising the power generated from panels

**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



**SWITCHMODE TECHNOLOGY**  
 Featuring the latest synchronous switching technology, IDC45'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

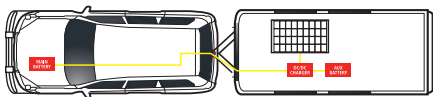


**IGNITION CONNECTION / VSR**  
 Ignition connection enables a "low input operation" mode, for compatibility with smart (variable voltage) alternators found in modern vehicles

**MULTI-CHEMISTRY SUPPORT**  
 Supporting GEL, AGM, WET and CALCIUM batteries, IDC45 features periodic equalisation to remove acid stratification from calcium batteries

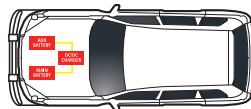
### Caravan Installation

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 charger engineered for in-vehicle or under bonnet installation on vehicles fitted with traditional or smart alternators



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

### SPECIFICATIONS

IDC45	
Application	DC-DC SOLAR BATTERY CHARGER
Input Voltage	9-32Vdc
Output Current	Input 9-11Vdc 37A, Input 11-32dc 45A
Charge Control	14.1V (GEL), 14.4V (AGM), 14.7V (WET), 15.4V (CALCIUM)
Smart Alternator	
12V VEHICLE: Turn On: 12.2-20V, Turn Off: <11.9V	
24V VEHICLE: Turn On: >=24.4-32V, Turn Off: <24V	
Conventional Alternator	
12V VEHICLE: Turn On: >=13.4-20V, Turn Off: <12.8V	
24V VEHICLE: Turn On: >=26.8-32V, Turn Off: <25.6V	

P/No.	DESCRIPTION	BARCODE
P/No. IDC45	Box (1)	19315219252552
45A 9-32V 3 Stage	Outer Carton (4)	
DC-DC Solar Battery Charger		

### 3 STAGE CHARGING FOR THE PERFECT CHARGE

