



**9-32V, 50A 5 Stage  
Dual Battery Charger**  
#IDC50X

www.projecta.com.au

**DESCRIPTION**

9-32V, 50A, 5 stage dual battery charger with Multi-Chemistry Technology. Provides an advanced charge simultaneously from both solar & alternator inputs.

Suitable for AGM, Gel, Wet, Calcium & Lithium batteries.



**FEATURES**

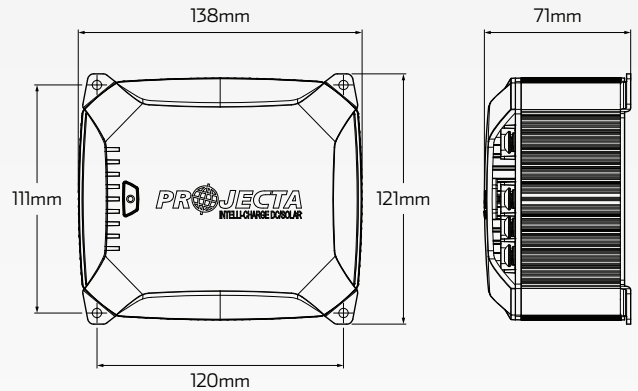
- Direct connections to the IDCX, ensures a reliable perfect connection to the unit
- IP68 & IP69K rated dust and water protection; fully potted with thermal epoxy resin
- Pairable with Intelli-IQ allowing the IDCX to be controlled & monitored portably via Bluetooth
- Over temperature, reverse connection, over/under voltage; total safe guard protection
- Engineered for use with today's modern chemistry types: AGM, Gel, Wet, Calcium & Lithium.

**TECHNICAL SPECIFICATIONS**

**Specifications**

Charge Type	• 5 stage
Alternator Input Voltage	• 9-32 Volt
Maximum Solar Input	• 32 Volt DC, 800 Watt
Output Current	• Input: 9-11 Volt DC 37A • Input: 11-32 Volt DC 50A
Supported Batteries	• Gel, AGM, Wet, Calcium & Lithium
Standby Current	• 8mA
Operating Temperature	• -10°C to 80°C
Approvals	• EMC approved
IP rating	• IP68 & IP69K
Warranty	• 5 year manufacturer warranty
Dimensions	• 138mm W x 121mm H x 71mm D

**Dimension Diagram**



**Alternator On/Off**

Alternator	12V Vehicle		24V Vehicle	
	Turn On	Turn Off	Turn On	Turn Off
Smart Alternator	12.2 - 20V	<11.9V	24.4 - 32V	<24V
Conventional Alternator	13.4 - 20V	<12.8V	26.8 - 32V	<25.6 V



**Intelli-IQ**  
**2" Smart Display**  
#IQD2

www.projecta.com.au

**DESCRIPTION**

High definition 2" smart display with Bluetooth. Projecta's revolutionise future-proof IOT (Internet of Things) system. Designed to bring out the best out of your IDC25X dual battery chargers. Connects, monitor & control IDC25X and up to 15 devices (in total) on the vehicle, caravan & trailer effortlessly and remotely. Synchronisable with your mobile device to edit wirelessly on the go.



**FEATURES**

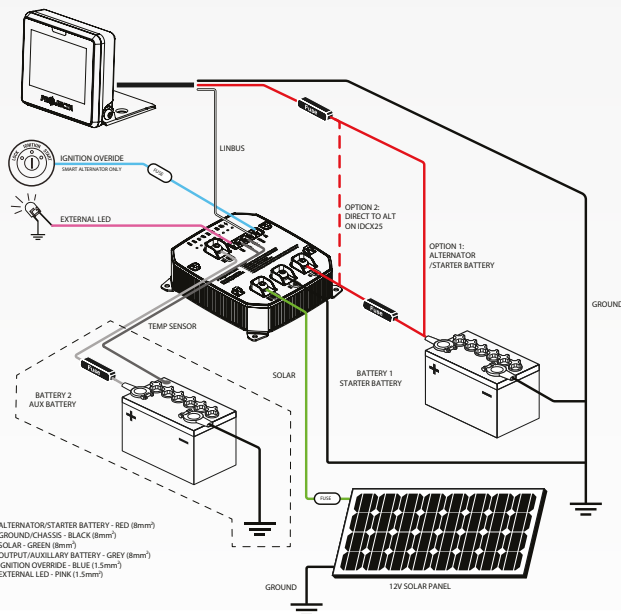
- Allows for real time monitoring of devices operating status
- Designed to effortlessly integrate with Projecta's Plug 'n Play system
- Set up a user defined profile to allow the IDC25X of charging any battery chemistry
- Safely and seamlessly connect up to five IDC25X on one IQD2
- Connects, monitor & controls up to 15 devices, through Projecta Smart Relay range
- Equipped with the latest Bluetooth 5.2 connection
- 2" HD capacitive touchscreen with auto brightness for optimal visibility



**TECHNICAL SPECIFICATIONS**

**Application Diagrams**

Full system with Intelli-IQ configuration



<b>Input Voltage Range</b>	• 9-32 Volt
<b>Input Consumption Current</b>	• < 150mA DC
<b>Input Current at Saving Mode</b>	• < 10mA DC
<b>Power Saving Input Threshold</b>	• < 13.4V
<b>Screen Size</b>	• 2 inches
<b>Screen Resolution</b>	• 320 x 240 pixels
<b>Screen Type</b>	• Capacitive touch
<b>Screen Colour</b>	• TFT + backlight
<b>External Dimensions</b>	• 56mm L x 17mm W x 51mm H
<b>Weight</b>	• 53g
<b>Operating Temperature</b>	• -10° to 50°C
<b>Communications</b>	• Bluetooth 5.2 • LIN 2.1
<b>Safety</b>	• Thermal protection shutdown • Overvoltage protection
<b>Standard Approvals</b>	• ECE R10, AS/NZS 4268, CISPR 11