



Our vision, your safety

Charge Plus DC-DC Battery Charger Catalogue 2023-2024



www.lucidityaustralia.com.au

A Global Player

Established in 1981, Lucidity Enterprise Co., Ltd. is a premier worldwide manufacturer of vehicular safety lighting products. We have large scale operations in Taiwan, America (through Optronics) and Australia, with over 30 years of product development and innovation.

Our complete range of vehicle lighting products, continuous product innovation and exceptional customer service has always been our major strength.

We provide a very comprehensive range of products including wire harness, injection moulded products and electronics combinations. We start with a design at engineering level using the latest in AutoCAD and Solidworks to properly represent concepts and final design scenarios that our customers are asking for.

We then take this information and transform this into deliverable prototypes and off tool samples. Should the final design already be achieved, we can cost effectively manufacture a product or range of products. At the design stage, we start with an open mind to better, smarter and more economical ways of manufacturing products within Australia. We have the only Australian Manufactured L.E.D. marker lamp system with plug-gable and mountable options on the market, while maintaining a price competitive solution.



Charge Plus DC-DC Battery Charger

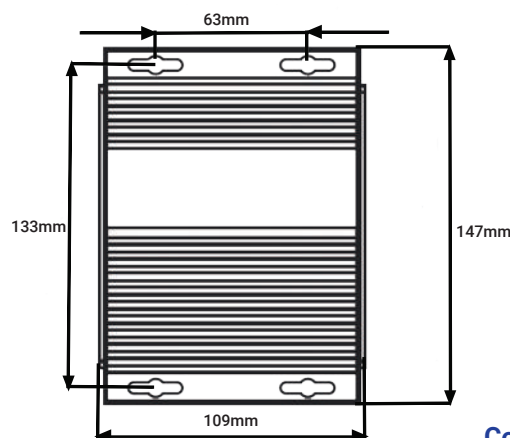
Australian designed and built, Lucidity Australia's Range of Transport Industry Chargers are specifically manufactured for the rigorous demands of Australia's transport Industry. Suited to the entire scope of truck trailer combinations found in Australia and all related applications such as electric hydraulic power packs.

The Range have been specifically designed to overcome the known pitfalls in these Applications. This Series is the result of years of research and experience, culminating in the Intelligent design of a product that simply has no equal in the market.

Features such as:

- Zero Stand-By Current, will not Flatten a target Battery.
- Intelligent Input Technology, Prevent Damage to wiring of Vehicle.
- Operational Input Voltage Range: 12 Volt, 24 Volt & Reduced 24 Volt.
- Continuous Charge Mode, will Charge Dead Flat Battery.
- 12 & 24 Volt Models Available.
- The VSR input on the charger will only start charging when the voltage on this input reaches 13.2V (12 Volt system) or 26.4V (24 Volt system) and will stop charging when the voltage drops to 12.8 (12 volt system) or 25.4V (24 volt system). Ideal for running the charger from fridge plants or via an Anderson plug to the prime mover as charger will not draw current on this input unless the fridge plant is running or prime movers engine is running so therefore not flatten there batteries.

All play a major role in ensuring our products outperform and outlast the competition.



Connected using Industry accepted DT Deutsch Connector



Check the charger's performance using the built LED Status Indicator

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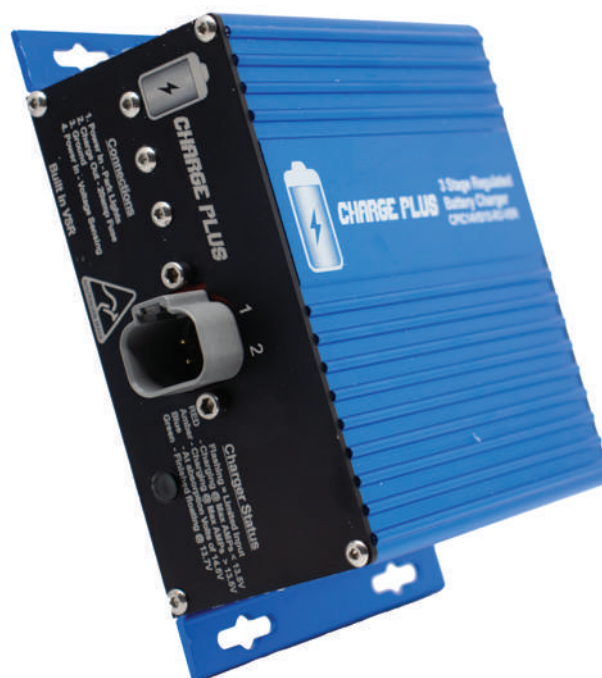
Transport Industry Battery Charger

3370178



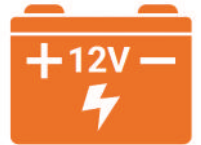
Key Features:

- Universal Input Voltage 12V, 24V Reduced 24V (Will operate with any truck)
- You can utilise any constant lighting input (Park lamp Circuit)
- Intelligent Software that won't harm existing electrical cabling
- Dual input capability
- Intelligent 3 stage charging
- Robust anodised aluminium housing with Stainless Steel fasteners
- Electronics completely encapsulated for protection against the elements
- Charger draws no standby current from the charged battery
- Will charge a dead flat battery
- For Charging a 12V Battery



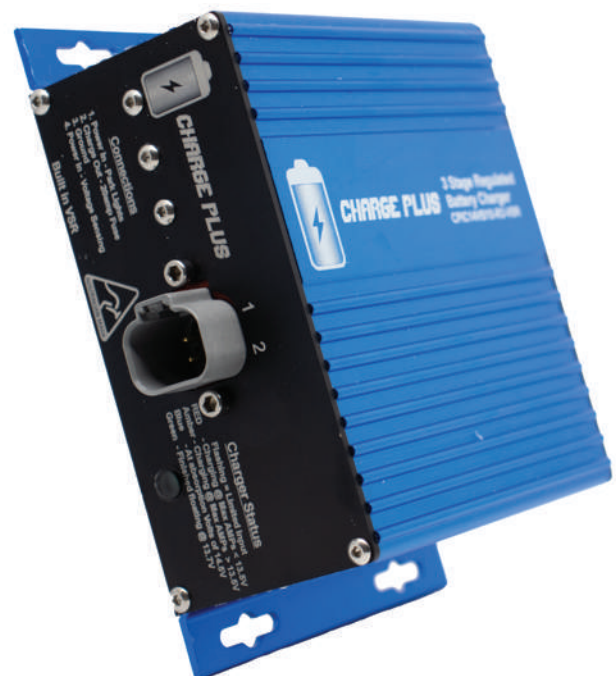
Transport Industry Battery Charger with VSR

3370231



Key Features:

- Universal Input Voltage 12V, 24V Reduced 24V (Will operate with any truck)
- You can utilise any constant lighting input (Park lamp Circuit)
- Intelligent Software that won't harm existing electrical cabling
- Dual input capability
- Intelligent 3 stage charging
- Robust anodised aluminium housing with Stainless Steel fasteners
- Electronics completely encapsulated for protection against the elements
- Charger draws no standby current from the charged battery
- Will charge a dead flat battery
- For Charging a 12V Battery
- Built-in Voltage Sensing Circuit on One Input(VSR)



Transport Industry Battery Charger with VSR

3370179

Key Features:



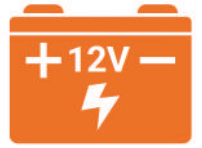
- Universal Input Voltage 12V, 24V Reduced 24V (Will operate with any truck)
- You can utilise any constant lighting input (Park lamp Circuit)
- Intelligent Software that won't harm existing electrical cabling
- Dual input capability
- Intelligent 3 stage charging
- Robust anodised aluminium housing with Stainless Steel fasteners
- Electronics completely encapsulated for protection against the elements
- Charger draws no standby current from the charged battery
- Will charge a dead flat battery
- For Charging a 24V Battery
- Built-in Voltage Sensing Circuit on One Input(VSR)



Transport Industry Battery Charger with VSR & Battery Status Indicator

3371080

Key Features:



- Universal Input Voltage 12V, 24V Reduced 24V (Will operate with any truck)
- You can utilise any constant lighting input (Park lamp Circuit)
- Intelligent Software that won't harm existing electrical cabling
- Dual input capability
- Intelligent 3 stage charging
- Robust anodised aluminium housing with Stainless Steel fasteners
- Electronics completely encapsulated for protection against the elements
- Charger draws no standby current from the charged battery
- Will charge a dead flat battery
- For Charging a 12V Battery
- Built-in Voltage Sensing Circuit on One Input(VSR)
- Push Button Battery Status Indicator



Transport Industry Battery Charger with VSR & Battery Status Indicator

3371081

Key Features:



- Universal Input Voltage 12V, 24V Reduced 24V (Will operate with any truck)
- You can utilise any constant lighting input (Park lamp Circuit)
- Intelligent Software that won't harm existing electrical cabling
- Dual input capability
- Intelligent 3 stage charging
- Robust anodised aluminium housing with Stainless Steel fasteners
- Electronics completely encapsulated for protection against the elements
- Charger draws no standby current from the charged battery
- Will charge a dead flat battery
- For Charging a 24V Battery
- Built-in Voltage Sensing Circuit on One Input(VSR)
- Push Button Battery Status Indicator



Transport Industry Charger with VSR Remote Mounted Charge Status Lamp

3371116

Key Features:

- Zero Stand-By Current
- Universal Input Voltage
- Intelligent Input Technology
- 3 Stage charge Profile
- Status Lamp Output



26281 - Status Lamp

New to the Range of Battery Chargers is the 3371116 Model of Charger.

This Model Maintains All the Features of the base Range but with the Added Flexibility of having a Remotely Mounted Status Lamp.

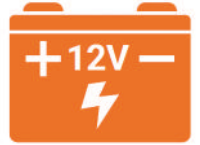
The Remote Status Lamp is a great Feature should your charger be Inside a Tool Box or in a Difficult to see Area.

The Remote Lamp Operation:

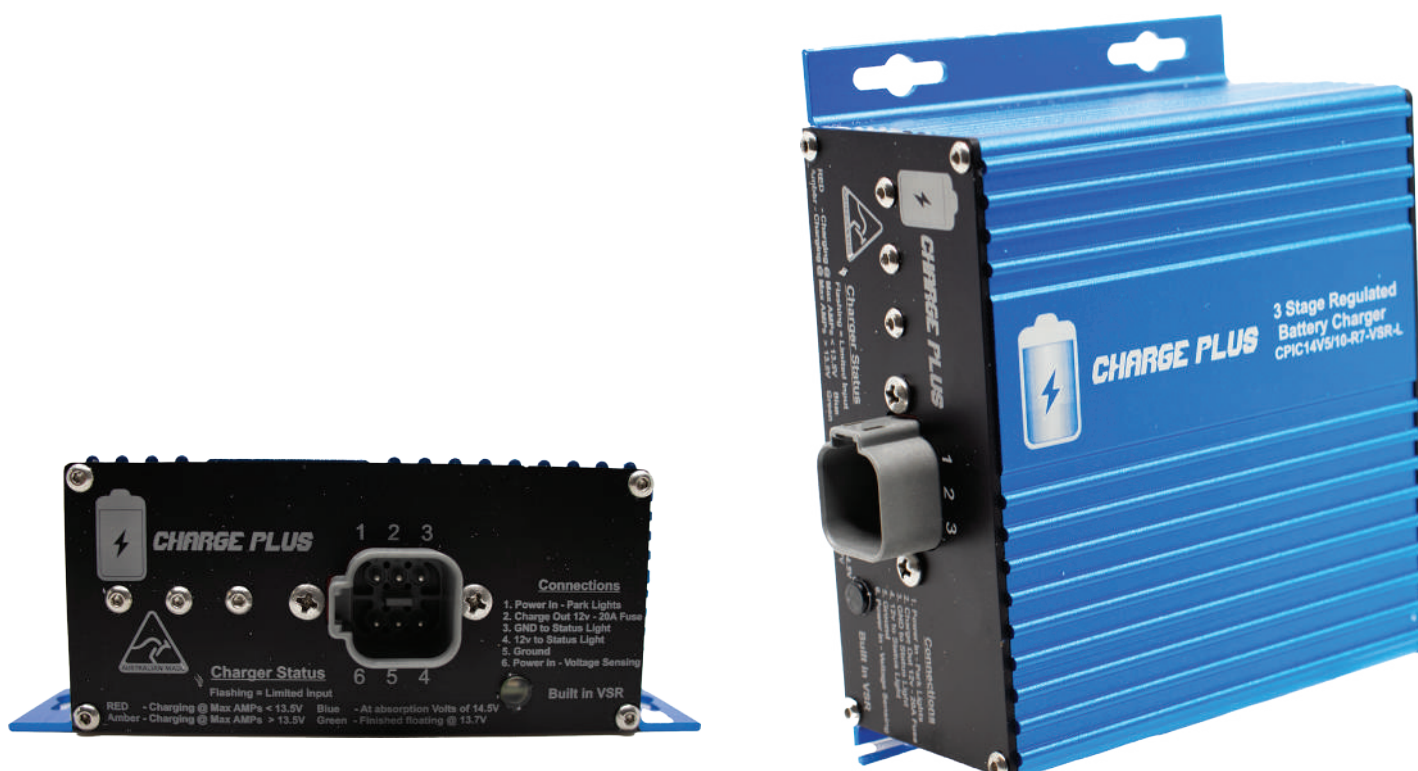
Lamp on Solid —————> Charger Operational

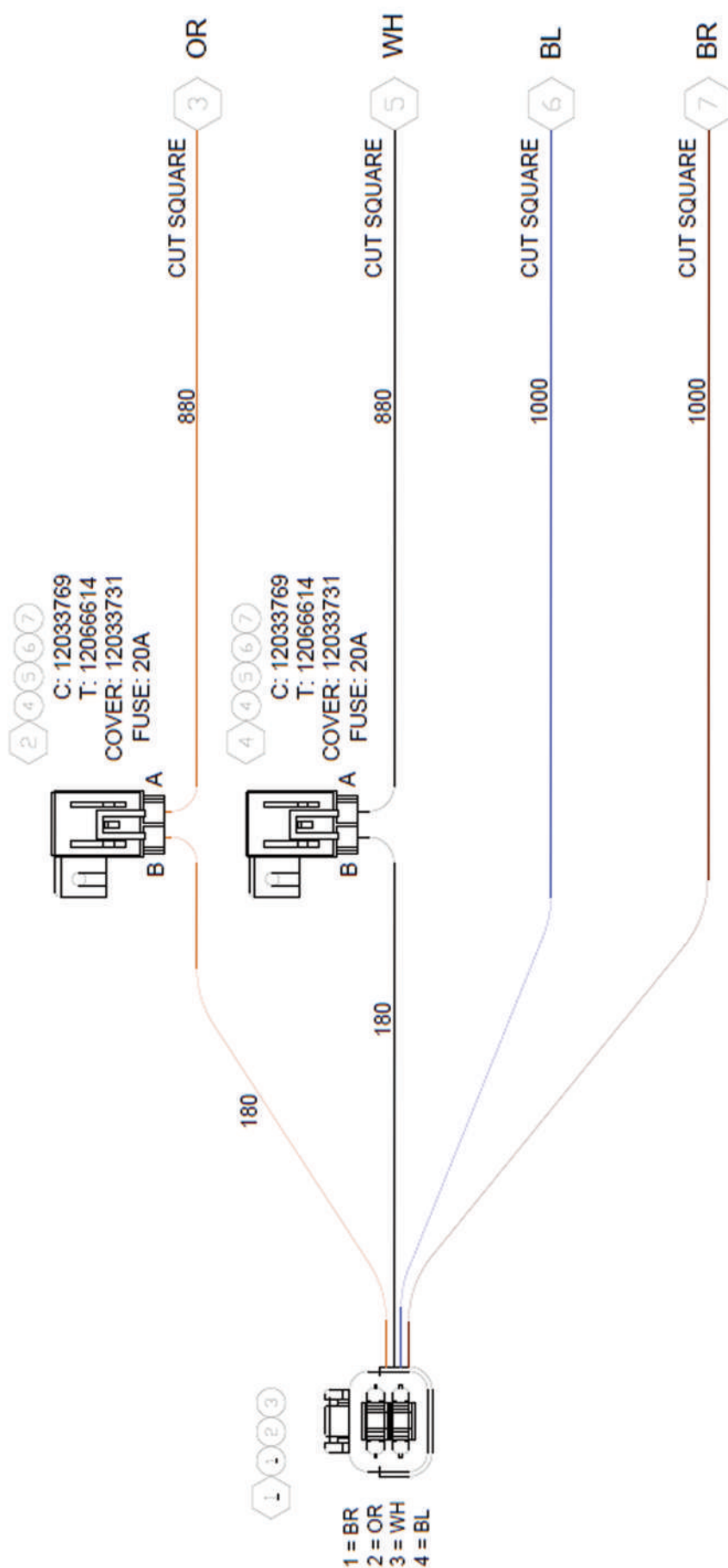
Lamp Flashing —————> Charger Operational in Limited Input Mode

- Universal Input Voltage 12V, 24V Reduced 24V (Will operate with any truck)
- You can utilise any constant lighting input (Park lamp Circuit)
- Intelligent Software that won't harm existing electrical cabling
- Dual input capability

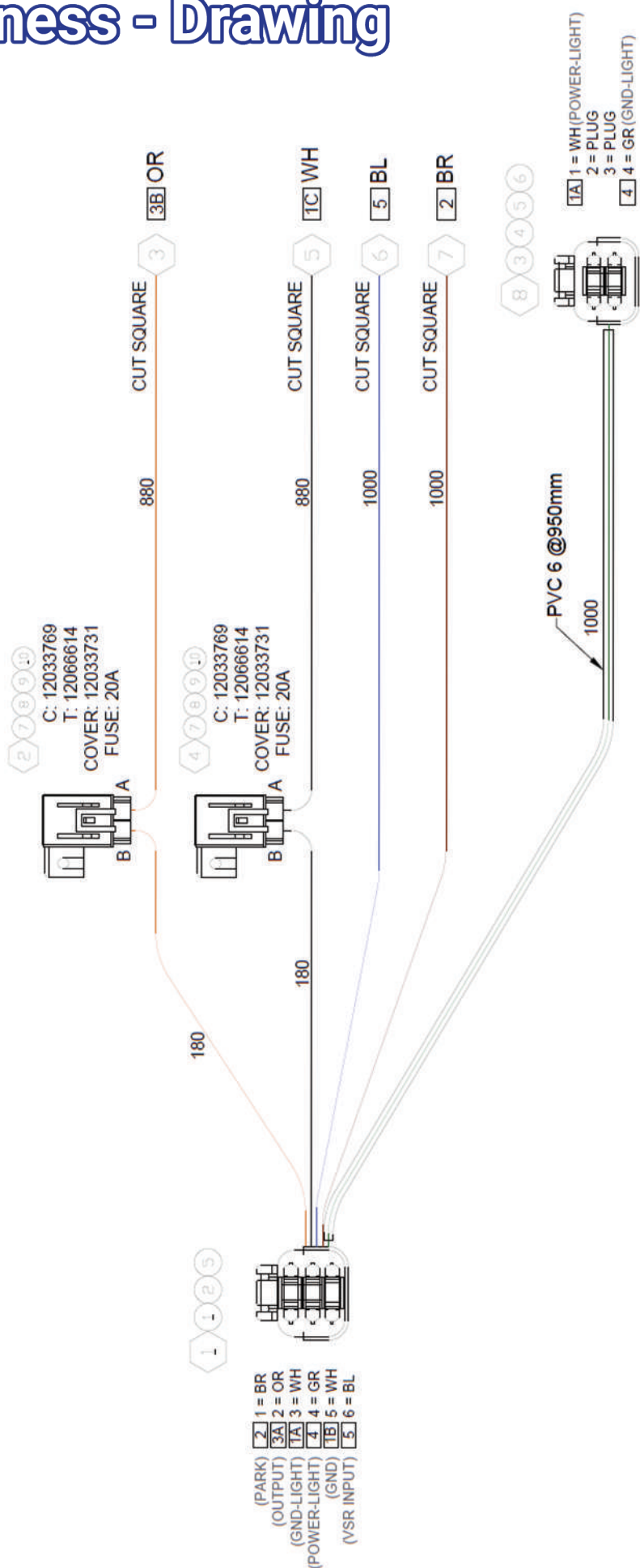


- Robust anodised aluminium housing with Stainless Steel fasteners
- Electronics completely encapsulated for protection against the elements
- Charger draws no standby current from the charged battery
- Will charge a dead flat battery
- For Charging a 12V Power Pack
- Built-in Voltage Sensing Circuit on One Input
- Zero Stand-By Current
- Universal Input Voltage
- Intelligent Input Technology
- Status Lamp Output





6 Way Harness - Drawing





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