



Industrial Batteries and Energy Storage

VALEN BATTERY ACCESSORIES BROCHURE 21



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Battery Equalisers

Temperature, battery cell chemical composition, and individual battery self-discharge rates can cause battery systems in series to become unbalanced. This imbalance will result in the batteries incorrect charging (under or overcharging) ultimately causing sulphation and premature plate corrosion. As the battery system ages, this voltage discrepancy will increase, resulting in early battery system failure.

Enter the Valen Battery Equaliser range:

The Valen battery equaliser, equalises or balances out these voltage discrepancies as soon as a 2mV battery voltage difference has been detected. By adding a Valen Battery Equaliser to the battery system, the performance will be enhanced, and the battery life drastically improved. Valen Equalisers come in a variety of sizes, allowing them to be retrofitted into a variety of applications. Multiple Valen Battery Equalisers may be used on one system for the complete system to be covered.



Product Code	Equaliser Size	Battery Nominal Voltage	Optimising Current	Quiescent Current	Dimensions	Low Voltage Disconnect
BA BATEQ2	2 Way	12V	0-5A	<3mA	70 x 70 x 27	1.0V
BA BATEQ4	4 Way	2V/6V/12V	0-10A	5mA (12V) 1.2mA (24V)	62 x 124 x 27	1.8V
BA BATEQ5	5 Way	2.4V/3.6V/6V/9V/12V	0-10A	5mA (12V) 1.2mA (24V)	160 x 60 x 35	1.8V
BA BATEQ8	8 Way	2.4V/3.6V/6V/9V/12V	0-10A	5mA (12V) 1.2mA (24V)	140 x 110 x 60	1.8V
BA BATEQ16	16 Way	2.4V/3.6V/6V/9V/12V	0-10A	5mA (12V) 1.2mA (24V)	265 x 140 x 60	1.8V

Battery Boxes



Valen Battery Boxes protect your batteries from exposure to harsh weather conditions while holding them securely in place. Constructed of tough, high-quality polypropylene for protection, the Valen Battery Boxes are impervious to battery acid.

Product Code	Description	Internal Dimensions
BA BBS	Battery Box - Small	270 x 180 x 195mm
BA BBM	Battery Box - Medium	320 x 180 x 195mm
BA BBL	Battery Box - Large	390 x 180 x 195mm
BA BBXL	Battery Box - Extra Large	612 x 320 x 356mm

Torque Wrench



The Valen Torque Wrench is very easy to set, with a transparent insulated scale range, torque setting errors are eliminated. When the setting has been achieved, it is locked in place so accidental changes to the setting is impossible. Very reliable retention of the actuating tools ensured by mechanically locked retaining system. Once the desired torque has been reached, the Valen Torque Wrench will automatically reset itself, ready for further use. The Torque Wrench is also reversible for tightening of left handed threads.

Product Code	Length	Square Drive	Range	Weight
BA TW VDE 5-25*3/8	290mm	3/8 Inch	5-25Nm	1.23kg

Terminal Covers



Valen Terminal Covers are designed to be used for protection of the battery terminals after installation. Made from strong, thick and durable rubber, the Valen Terminal Covers are colour-coded for easy identification and designed for years of hard work.

Available in extra small, small and large sizes.

Product Code	Description	To Suit
BA STIES	Terminal Insulator Extra Small - Black or Red	32(L) x 10(cable hole) x 22(internal)
BA STIS	Terminal Insulator Small - Black or Red	80(L) x 14(cable hole) x 22(internal)
BA LTIL	Terminal Insulator Large - Black or Red	99(L) x 18(cable hole) x 30(internal)

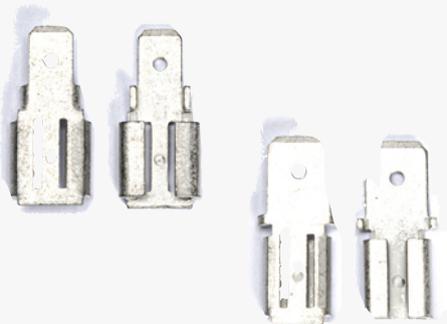
Automotive Posts



Valen Automotive Posts convert the standard insert terminal of battery to an automotive post terminal typically used in starter applications. Supplied in pairs, the Valen Automotive Posts are available in M6 and M8 configurations.

Product Code	Description	To Suit
BA TAP6 BPR	6mm Terminal Adaptor Posts	Batteries with M6 terminals
BA TAP8 BPR	8mm Terminal Adaptor Posts	Batteries with M8 terminals

Terminal Conversion Adaptors - Spade



Valen Spade Terminal Conversion Adaptors are available in both F1 to F2 and F2 to F1. These adaptors provide an easy and simple solution to customise batteries to retrofit to every application either speeding up or slowing down the current flow.

Product Code	Description	To Suit
BA TCF1F2	F1 - F2 Terminal Converters	F1 Spade Terminal
BA TCF2F1	F2-F1 Terminal Converters	F2 Spade Terminal

Battery Warning Stickers

Battery Warning Stickers provide an effective, on-the-spot reminder to help keep technicians safe on site. Valen has designed Battery Warning Stickers for battery sizes 12V40Ah right through to 200Ah.

Customised battery size stickers are available on request.

Size: 90 x 55mm



Product Code	To Suit Battery	Product Code	To Suit Battery
BA BWS9	12V9Ah	BA BWS65	12V65Ah
BA BWS12	12V12Ah	BA BWS70	12V70Ah
BA BWS21	12V21Ah	BA BWS90	12V90Ah
BA BWS26	12V26Ah	BA BWS100	12V100Ah
BA BWS33	12V33Ah	BA BWS120	12V120Ah
BA BWS40	12V40Ah	BA BWS150	12V150Ah
BA BWS55	12V55Ah	BA BWS200	12V200Ah

Battery Cables



Valen Flexible Battery Cables are designed to work in a variety of different systems thanks to their adaptability. Durable and strong insulation eliminates the risk of short-circuiting. Both 190A and 350A current rated cables are available.

Customised Battery Cables are available on request.

Sizes: 160mm, 5000mm, 7000mm long

Product Code	Description	To Suit	Length	Stocked Item
BA FBC190	Flexible Battery Cable 190A	Smaller battery systems up to 190A	160mm, 5000mm, 7000mm, Customisable	✓
BA FBC350	Flexible Battery Cable 350A	Larger battery systems up to 350A	Customisable	✓

Front Terminal Battery Link

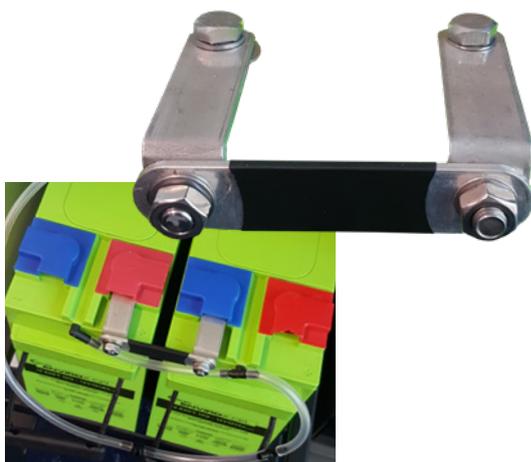


Valen Front Terminal battery links are designed to work on the complete range of Valen Front Terminal batteries. Slotted terminal holes allow for terminal movement preventing battery post damage.

Valen Front Terminal battery links are insulated for short circuit protection, making them the safest regular Front Terminal battery link.

Product Code	Hole-to-Hole Length	Total Length
BA FTL95M6/8	65mm	95mm

Front-Facing Front Terminal Links



Valen Forward Facing Front Terminal links are designed to work on the complete range of Valen Front Terminal batteries. These links allow for easy and safe access for technicians where the batteries are installed in multi-layer racking.

Front Facing links will fit neatly under the Valen Front Terminal battery protection cover, ensuring they are always covered to minimise the risk of short-circuiting. In stock and ready to go, the Valen Front terminal links are an accessory worth installing in larger projects.

Product Code	Description
BA FTFFAM6	Front Facing Battery Link Adaptor, M6 suits Front Terminal Batteries
BA FTFFAM8	Front Facing Battery Link Adaptor, M8 suits Front Terminal Batteries

Valen Custom Battery Cables

Getting easy access to the correct connector cable for your project can be tedious. The Team at Valen understand that so have put together a comprehensive range of Cables, Solar Cables, and Connectors to make your job easier. These can be purchased as individual items or reach out to us for a price on a customised connector cable solution.



Flexible Connector Cable

Valens Flexible Cable is Double Insulated for additional protection and is available in a range of different sizes; 6mm, 10mm, 16mm, 25mm, 35mm, 50mm, 70mm, 95mm, 120mm



Solar Cable

Valens Solar Cable Figure 8 PV1-F Thin Sheath is available in both 4mm and 6mm diameters. Highly flexible, it is easy adaptable to suit a range of solar cabling projects. Valens Solar Cable comes standard in 100m or 500m Drum size. Please inquire for custom meterage.



Connectors and Lugs

Locking cable couplers for 2.5 & 4.0mm solar cable, easy to assemble with minimal tooling. These IP67-rated connectors are designed to meet the stringent requirements of photovoltaic installations and the plugs are equipped with 'MC-Multilam' technology for very low contact resistance

Valen Aluminium Terminal lugs are ideal for crimping to XLPE Conductor cables. Manufactured from ETP-Copper, these lugs are then Tin Plated for protection against oxidation, and durability. Valen MC4 Connectors are genuine parts and designed for a lifetime in solar applications.

CTA device: The Valen team are available to help you design and supply custom cabling and lug options for your next project. Contact the team today to discuss your project requirements.

Valen Cable and Connections

The small and invaluable, the missing link to your solar system.

With Valen's range of cable and connections, there is always a solution to ensuring your solar system is well connected and running efficiently. Customised cables and further accessories are available on request.



Product Code	Description	Quantity
SRA MC4M/MC4F	Male/Female MC4 Connectors	Pair
SRA CB0.4	Figure8 DC Solar Cable - 2x 4mm ²	100m
SRA CB0.6	Figure8 DC Solar Cable - 2x 6mm ²	100m

Solar Connectors Available



Other Cables and Connections Available

Make sure your system has the exact cables and connections you require. Valen can source customised cables and connections for your system requirements.

Contact us on the below details with your system requirements and we'll ensure you have all the components to make your next installation a success.



The Valen Story

Valen was first founded as Regal Electro in 1999. Over the next few years, it became apparent that there was a growing need in the industry for a battery supplier who knew not only the characteristics of various technologies, but also understood the technical manufacturing procedures to ensure a quality product.

2009 Opened premises in Hallam, VIC to ensure fast service & delivery to clients.

2010 A presence in New Zealand was established.

2015 Successfully completed its first ENLiFEN Energy Storage Optimiser (ESO) prototype which was put proudly on display at the Comms Connect Exhibition in Melbourne.

2017 Rebranding and reinvigorating of the core product range, Power Charge renamed to Valen, meaning 'Power' in Latin.

2018 A Sydney office and logistics centre was opened in April with the view to further improve the level of service offered to clients.

2018 The company name was changed from Regal Electro to Valen! This decision was made to strengthen the brand and recognition within the industrial battery market.

2020 Valen has continued to grow year on year and strengthened our position as an End to End Solution provider for Australia and New Zealand.



Wow Customers through Service

- Our customers want service and we want our employees to go above and beyond for our customers.



Move Fast & Remain Focused to Get Results

- We are serious about results and we must never lose focus on our goals and our sense of urgency to achieve.
- We believe in working hard and putting in extra effort to get things done.



Upbeat Positive Attitude

- If our employees have a positive attitude and constantly strive to give your best effort, eventually we will overcome our immediate problems and find you are ready for greater challenges.
- Positive and negative are directions that lead to different outcomes. We expect our employees to move in the right direction each day.



Challenge the Status Quo

- We are committed to great results and good is the enemy of great. We want our employees to embrace & drive change



Play as a Team

- Working effectively as a team creates momentum, improves morale.
- The difference between success and failure is a great team and we expect our employees to work together as a team.



Wow Customers through Service

Move Fast & Remain Focused to Get Results

Upbeat Positive Attitude

Challenge the Status Quo

Play as a Team

Our team is ready to deliver!

- ✓ Making the Promise
- ✓ Delivering the Promise
- ✓ Keeping the score



Complete Solution

Valen are an End-to-End Solution Provider; so we offer you a complete system solution! Being able to offer the complete solution we save you the hassle of having to search for additional suppliers. From design to supply, we are with you every step of the way!



Quality Control

With our in-house quality control team and state of the art facilities, we ensure the delivery of a unique product that meets and goes beyond your expectations.



Innovative Products

At Valen we take pride in being original, so we have an exclusive range of products for our clients. These unique products and innovation ensure you stay at the front of an ever changing market.



Technical Support

Our support doesn't stop once you invest in our products; with our experienced and skilled technical team we assist you even after sale. If you have any questions about your System or Products purchased, our technical team have the answers.



Personalised Training

Our qualified team of experts are readily available to provide world class training to your team. Thus, ensuring you remain up to date with the latest battery technologies, safety and testing.



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