

# Sterling Power Products Accessories Catalogue 2023

A collection of the full accessory range of products from Sterling, including cabling, fusing, control panels and more.



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<b>Welcome</b>	Welcome to Sterling Power Products' accessories catalogue, and thank you for taking your time to look through this breakdown of our upcoming and present offerings to the power market. The ongoing pandemic, the global political climate and the global semiconductor shortage have complicated our market, but Sterling has remained dedicated to its pledge to innovate and provide the best product lines we can to our clientbase. We hope that they help to continue offering solutions to your power distribution needs.
<b>Contact</b>	If you would like any clarification, further information or consultation regarding any Sterling product, please email us at <a href="mailto:info@sterling-power.com">info@sterling-power.com</a> or call us on 01905 771771
<b>Sterling's Goal</b>	Your 100 % satisfaction is our goal. We realise that every customer and circumstance is unique. If you have a problem, question, or comment please do not hesitate to contact us. We welcome you to contact us even after the warranty and return time has passed.
<b>Warranty</b>	Each electrical product manufactured by Sterling Power comes with at least a 2 year limited factory warranty, when sold from new. Certain Products have a warranty period of time greater than 2 years. Each product is guaranteed against defects in material or workmanship from the date of purchase. At our discretion, we will repair or replace free of charge any defects in material or workmanship that fall within the warranty period of the Sterling Power product. Full warranty terms are available on the website.
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**ACCESSORIES CABLES**

**Sterling Cable Production**

Sterling stocks a broad range of cables and we have a section of our warehouse dedicated to cable cutting, crimping and preparing for clients and for own use. Our large range of terminals and cable sizes ensures our ability to solve customer needs on a per-case basis.

**Ordering Cable**

Please contact Sterling if you are interested in a cable order, we can then discuss what measurements you require. We can cut to almost any lengths desired, in a large range of cable thicknesses and terminal options.

**Cable Colour Options**

Our cable colours are available in black or red.

**Copper Cable Diameter/Gauge**

Our cable cross sections are available in 10mm<sup>2</sup> (AWG8), 16mm<sup>2</sup> (AWG6), 25mm<sup>2</sup> (AWG4), 35mm<sup>2</sup> (AWG2), 50mm<sup>2</sup> (AWG1), 70mm<sup>2</sup> (AWG00), 95mm<sup>2</sup>(AWG000) and 120mm<sup>2</sup> (AWG0000)

**PV Cable**

We can also offer tin-coated copper photovoltaic cable for use in your solar installs. We offer 4mm<sup>2</sup> and 6mm<sup>2</sup> cable and we typically offer them (unless requested otherwise) with MC-4 connectors.

**Terminations**

Sterling cable can come with a variety of terminations, to your specifications, from ring terminals, ferrules, Anderson sockets or just exposed/insulated cable. All terminations are performed with a hydraulic crimping machine, ensuring complete and high quality connections.

**PRE-CUT CABLE  
Anderson socket cable**

Cable	Current Rating	0.5m Cable	1m Cable	2m Cable	5m Cable
16mm <sup>2</sup>	50A Anderson Style	AS16RB05	AS16RB1	AS16RB2	AS16RB5
25mm <sup>2</sup>	120A Anderson Style	AS25RB05	AS25RB1	AS25RB2	AS25RB5
35mm <sup>2</sup>	175A Anderson Style	AS35RB05	AS35RB1	AS35RB2	AS35RB5
95mm <sup>2</sup>	350A Anderson Style	AS95RB05	AS95RB1	AS95RB2	AS95RB5



Fig 3.1  
AS25RB1

**Battery Link Cable**

**BLC35**

1x Red and 1x Black 30cm long cable, 35mm<sup>2</sup> copper cross section, 8mm ring terminals

**BLC50**

1x Red and 1x Black 30cm long cable, 50mm<sup>2</sup> copper cross section, 8mm ring terminals.

**BLC70**

1x Red and 1x Black 30cm long cable, 95mm<sup>2</sup> copper cross section, 8mm ring terminals.

**Battery Cable Sets**

**BSC2**

Connector set for 2 batteries (1x BLC50, 2x battery terminal sets)

**BSC3**

Connector set for 3 batteries (2x BLC50, 3x battery terminal sets)

**BSC4**

Connector set for 4 batteries (3x BLC50, 4x battery terminal sets)



Fig 3.2  
BSC

**2m Pre-Fused Cables**

**FRAWG6**

AWG 6 cable, 100A fuse in-line and pre-wired. 2m long. RED

**FBAWG6**

AWG 6 cable, 100A fuse in-line and pre-wired. 2m long. BLACK

**FRAWG8**

AWG 8 cable, 80A fuse in-line and pre-wired. 2m long. RED

**FBAWG8**

AWG 8 cable, 80A fuse in-line and pre-wired. 2m long. BLACK.

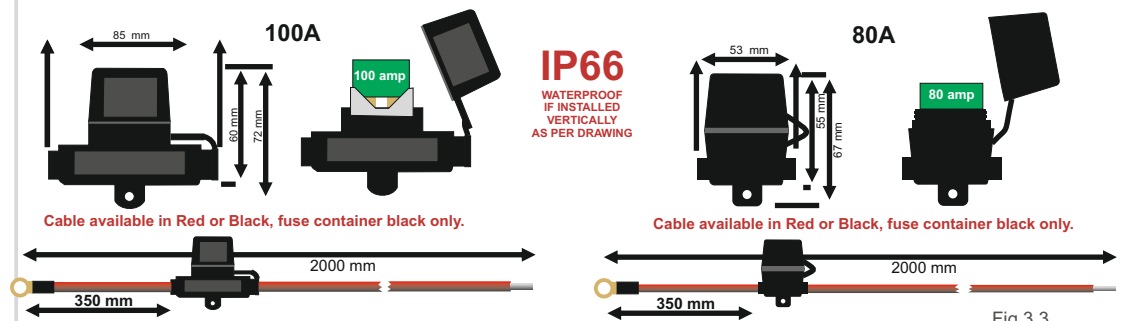


Fig 3.3  
Pre-Fused Cable

**ACCESSORIES SOLAR INSTALL KIT AND CABLE**

**Solar Installation Kit** The Solar installation Kit (SKIT) is designed to have all of the tools a standard solar installation requires in a simple handheld package.

**Inventory** The SKIT contains the following items :  
 A-2546B PV MC4 Crimping Tool for crimping MC4 connectors. Crimping range: 2.5, 4, 6.0mm<sup>2</sup>  
 LS-700E cable stripper for stripping cables. Stripping range 1.5, 2.5, 4, 6mm<sup>2</sup>  
 LS-206 cable cutter for cutting cables 35mm<sup>2</sup> max.  
 LSD-2546S MC4 Spanner 1 set  
 Straight screwdriver 1 piece and Cross screwdriver 1 piece  
 MC4 locator  
 1 allen key  
 Zippered Carrying Bag

**Suitability** Suitable for Mc3, Mc4 or Tyco solar connectors. Also suitable for the 26-10 range of AWG cable.

**Quality Design** Hardened carbon steel ensures reliability and service for long periods in even the toughest conditions, and the ergonomic grip and design minimises installer fatigue.

**Accuracy** Consistently high crimping quality and accuracy is achieved thanks to the supplied crimping molds and tool-locking.

**Premade MC-4 Cable** Sterling has a full cable and crimping facility at its primary warehouse, allowing us to prepare solar cable to meet customer demands.

**Insulation and Wire** Our solar cables are double insulated with an CLPE jacketing and when paired with our tin-coated copper wiring it ensures that our cables are corrosion and UV resistant, safe and efficient.

**Bespoke Capability** For a bespoke order or for more information, please ask us directly.

**Precut Cable Codes**

**TUV/UL APPROVED**

	4mm <sup>2</sup>	6mm <sup>2</sup>
0.5mtr	SE05M4	SE05M6
1mtr	SE1M4	SE1M6
2mtr	SE2M4	SE2M6
3mtr	SE3M4	SE3M6
4mtr	SE4M4	SE4M6
5mtr	SE5M4	SE5M6
6mtr	SE6M4	SE6M6
7mtr	SE7M4	SE7M6
8mtr	SE8M4	SE8M6
9mtr	SE9M4	SE9M6
10mtr	SE10M4	SE10M6



Fig 4.1 SKIT



Fig 4.2 MC-4 Cable



Fig 4.3 Cable Exposed



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**ACCESSORIES SOLAR CABLE ACCESSORIES**

**Solar Accessories**

Sterling holds stock of a range of solar and MC-4 cable accessories, allowing your system to adapt/evolve to meet a variety of needs or installs. Our solar panels and regulators are available in the Automotive and Marine catalogues.

**MC-4 T-Style Connectors**  
Includes  
1x Male MC-4 connector  
1x Female MC-4 Connector

**Sterling Part Number**  
**S2GD** 2-1 Dual pack  
**S3GD** 3-1 Dual pack  
**S4GD** 4-1 Dual pack  
**S5GD** 5-1 Dual pack  
Used to connect multiple cables into a single MC-4 feed. Do not exceed 30A



**MC-4 Y Style Connectors**  
Includes  
1x Male MC-4 Connector  
1x Female MC-4 Connector

**Sterling Part Number**  
**S2BD** 2-1 Dual pack  
**S3BD** 3-1 Dual pack  
**S4BD** 4-1 Dual pack  
Used to connect multiple cables into a single MC-4 feed. Do not exceed 30A



**MC-4 Fuse Connector**  
**SF10** - MtF 10A MC-4 Fuse  
**SF20** - MtF 20A MC-4 Fuse



**MC-4 Through bulkhead pack**  
**Sterling Part Number : STB**  
1 x Male MC-4 through bulkhead  
1 x Female MC-4 through bulkhead



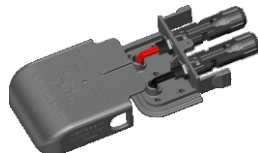
**MC-4 Diode Connector**  
**SD10** - MtF MC-4 Diode 10A  
**SD20** - MtF MC-F Diode 20A



8x Self adhesive cable tie holder for roof or wall cable installations.  
**Sterling Part Number : SAT**



**MC-4 M&F Through Roof Waterproof Pod With 12mm holes. Pod+Gasket Only**  
Sterling code : **SP**



**MC-4 6mm2 Solar Connectors, M/F Pack : SRC6**



**MC-4 Connector Specifications**

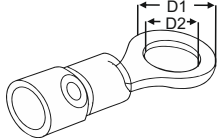
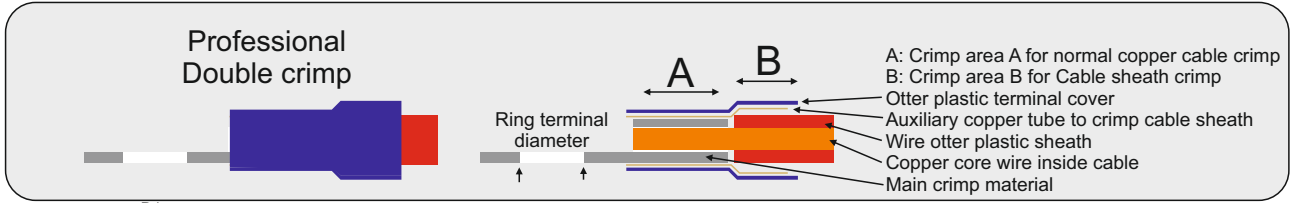
Rated current: 30A  
Rated Voltage: 1000VDC  
Suitable cable: 2.5 & 4 & 6mm2  
Waterproof : IP67  
Contact resistance : 0.2mm Ohms  
Contact material: Tin plated Copper

Pin Dia : 4.0mm dia  
Flame class: UL94-VO  
Safety class:11  
Insulation material: PPO  
Connecting system: Crimping  
Temperature rating :-40 to 90 deg C



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ACCESSORIES CABLE TERMINATIONS AND ACCESSORIES



Cable core size 22-16 AWG // 0.5-1.5 mm<sup>2</sup>

D1= 6.6 D2= 4.3  
 Sterling part numbers  
 2 x Parts : Z1M  
 10 x Parts : Z1N  
 50 x Parts : Z2A

D1= 8 D2= 4.3  
 Sterling part numbers  
 2 x Parts : Z2B  
 10 x Parts : Z2C  
 50 x Parts : Z2D

D1= 5.7 D2= 3.2  
 Sterling part numbers  
 2 x Parts : Z1A  
 10 x Parts : Z1B  
 50 x Parts : Z1C

D1= 5.7 D2= 3.7  
 Sterling part numbers  
 2 x Parts : Z1D  
 10 x Parts : Z1E  
 50 x Parts : Z1F

D1= 6.6 D2= 3.7  
 Sterling part numbers  
 2 x Parts : Z1G  
 10 x Parts : Z1H  
 50 x Parts : Z1I

D1= 8 D2= 3.7  
 Sterling part numbers  
 2 x Parts : Z1J  
 10 x Parts : Z1K  
 50 x Parts : Z1L

D1= 13.6 D2= 10.5  
 Sterling part numbers  
 2 x Parts : Z3C  
 10 x Parts : Z3D  
 50 x Parts : Z3E

D1= 19.2 D2= 13  
 Sterling part numbers  
 2 x Parts : Z3F  
 10 x Parts : Z3G  
 50 x Parts : Z3H

**MULTIPACK**  
 6 of each red ring terminal above  
 Part Number : Z14A



D1= 6.6 D2= 3.2  
 Sterling part numbers  
 2 x Parts : Z3I  
 10 x Parts : Z3J  
 50 x Parts : Z3K

D1= 6.6 D2= 3.7  
 Sterling part numbers  
 2 x Parts : Z3L  
 10 x Parts : Z3M  
 50 x Parts : Z3N

D1= 6.6 D2= 3.7  
 Sterling part numbers  
 2 x Parts : Z4A  
 10 x Parts : Z4B  
 50 x Parts : Z4C

D1= 8.5 D2= 3.7  
 Sterling part numbers  
 2 x Parts : Z4D  
 10 x Parts : Z4E  
 50 x Parts : Z4F

D1= 6.6 D2= 4.3  
 Sterling part numbers  
 2 x Parts : Z4G  
 10 x Parts : Z4H  
 50 x Parts : Z4I

D1= 8.5 D2= 4.3  
 Sterling part numbers  
 2 x Parts : Z4J  
 10 x Parts : Z4K  
 50 x Parts : Z4L

D1= 8.5 D2= 5.3  
 Sterling part numbers  
 2 x Parts : Z4M  
 10 x Parts : Z4N  
 50 x Parts : Z4O

D1= 9.5 D2= 5.3  
 Sterling part numbers  
 2 x Parts : Z4P  
 10 x Parts : Z4Q  
 50 x Parts : Z4R

D1= 12 D2= 6.4  
 Sterling part numbers  
 2 x Parts : Z5E  
 10 x Parts : Z5F  
 50 x Parts : Z5G

D1= 12 D2= 8.4  
 Sterling part numbers  
 2 x Parts : Z5H  
 10 x Parts : Z5I  
 50 x Parts : Z5J

D1= 13.6 D2= 10.5  
 Sterling part numbers  
 2 x Parts : Z5K  
 10 x Parts : Z5L  
 50 x Parts : Z5M

D1= 19.2 D2= 13  
 Sterling part numbers  
 2 x Parts : Z5N  
 10 x Parts : Z5O  
 50 x Parts : Z5P

**MULTIPACK**  
 6 of each blue ring terminal above  
 Part Number : Z14B



D1= 7.2 D2= 3.7  
 Sterling part numbers  
 2 x Parts : Z6C  
 10 x Parts : Z6D  
 50 x Parts : Z6E

D1= 7.2 D2= 4.3  
 Sterling part numbers  
 2 x Parts : Z6F  
 10 x Parts : Z6G  
 50 x Parts : Z6H

D1= 9.5 D2= 4.3  
 Sterling part numbers  
 2 x Parts : Z6I  
 10 x Parts : Z6J  
 50 x Parts : Z6K

D1= 9.5 D2= 5.3  
 Sterling part numbers  
 2 x Parts : Z6L  
 10 x Parts : Z6M  
 50 x Parts : Z6N

D1= 12 D2= 6.4  
 Sterling part numbers  
 2 x Parts : Z6O  
 10 x Parts : Z6P  
 50 x Parts : Z6Q

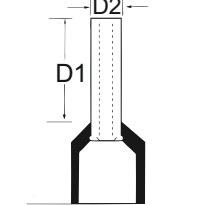
D1= 15 D2= 8.4  
 Sterling part numbers  
 2 x Parts : Z6R  
 10 x Parts : Z6S  
 50 x Parts : Z6T

Cable core size 16-14 AWG // 1.5-2.5 mm<sup>2</sup>

D1= 15 D2= 10.5  
 Sterling part numbers  
 2 x Parts : Z7G  
 10 x Parts : Z7H  
 50 x Parts : Z7I

D1= 19.2 D2= 13  
 Sterling part numbers  
 2 x Parts : Z7J  
 10 x Parts : Z7K  
 50 x Parts : Z7L

**MULTIPACK**  
 6 of each Yellow ring terminal above  
 Part Number : Z14C



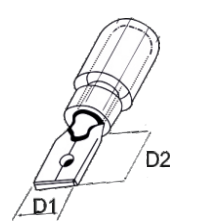
2 AWG / 35 mm<sup>2</sup> IN  
 D1= 22 D2= 8.7  
 Sterling part numbers  
 2 x Parts : Z7M  
 10 x Parts : Z7N  
 50 x Parts : Z7O

4 AWG / 25 mm<sup>2</sup> IN  
 D1= 18 D2= 7.9  
 Sterling part numbers  
 2 x Parts : Z7P  
 10 x Parts : Z7Q  
 50 x Parts : Z7R

6 AWG / 16 mm<sup>2</sup> IN  
 D1= 18 D2= 6.2  
 Sterling part numbers  
 2 x Parts : Z8E  
 10 x Parts : Z8F  
 50 x Parts : Z8G

8 AWG / 10 mm<sup>2</sup> IN  
 D1= 18 D2= 4.9  
 Sterling part numbers  
 2 x Parts : Z8H  
 10 x Parts : Z8I  
 50 x Parts : Z8J

**MULTIPACK**  
 6 of each ferrule  
 Ferrule Pack  
 Part Number : Z14D

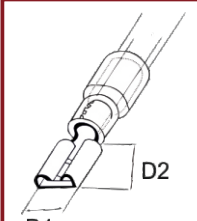


0.5-1.5 mm<sup>2</sup> IN  
 D1= 6.35 D2=11  
 Sterling part numbers  
 2 x Parts : Z8K  
 10 x Parts : Z8L  
 50 x Parts : Z8M

1.5-2.5 mm<sup>2</sup> IN  
 D1= 6.35 D2=10  
 Sterling part numbers  
 2 x Parts : Z8N  
 10 x Parts : Z8O  
 50 x Parts : Z8P

4-6 mm<sup>2</sup> IN  
 D1= 6.35 D2=12  
 Sterling part numbers

**MULTIPACK**  
 6 of each blade terminal (M) Pack  
 Part Number : Z14E



0.5-1.5 mm<sup>2</sup> IN  
 D1= 7.4 D2=11  
 Sterling part numbers

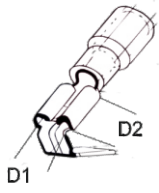
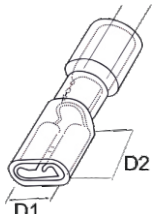
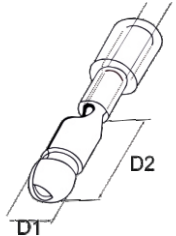
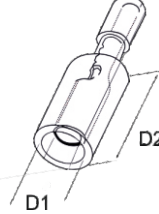
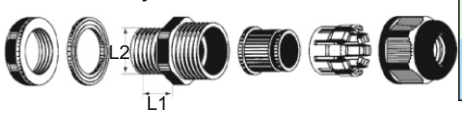
1.5-2.5 mm<sup>2</sup> IN  
 D1= 7.4 D2=11  
 Sterling part numbers

4-6 mm<sup>2</sup> IN  
 D1= 7.4 D2=12  
 Sterling part numbers

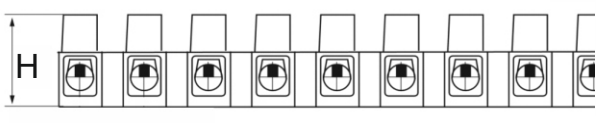


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**ACCESSORIES CABLE TERMINATIONS AND ACCESSORIES**

<p><b>MULTIPACK</b></p> <p>6 of each blade terminal (F) Pack Part Number : Z14F</p>		<p>0.5-1.5 mm2 IN D1= 7.4 D2=11.5 Sterling part numbers 2 x Parts : Z10A 10 x Parts : Z10B 50 x Parts : Z10C</p>	<p>1.5-2.5 mm2 IN D1= 7.4 D2=11.5 Sterling part numbers 2 x Parts : Z10D 10 x Parts : Z10E 50 x Parts : Z10F</p>	<p>4-6 mm2 IN D1= 7.4 D2=12 Sterling part numbers 2 x Parts : Z10G 10 x Parts : Z10H 50 x Parts : Z10I</p>	<p><b>MULTIPACK</b></p> <p>6 of each piggyback terminal (F) Pack Part Number : Z14G</p>
	<p>0.5-1.5 mm2 IN D1= 7.4 D2=11 Sterling part numbers 2 x Parts : Z10J 10 x Parts : Z10K 50 x Parts : Z10L</p>	<p>1.5-2.5 mm2 IN D1= 7.4 D2=11 Sterling part numbers 2 x Parts : Z10M 10 x Parts : Z10N 50 x Parts : Z10A</p>	<p>4-6 mm2 IN D1= 7.4 D2=12 Sterling part numbers 2 x Parts : Z11B 10 x Parts : Z11C 50 x Parts : Z11D</p>	<p><b>MULTIPACK</b></p> <p>6 of each insulated blade term (F) Pack Part Number : Z14H</p>	
<p>0.5-1.5 mm2 IN D1= 4 D2= 11 Sterling part numbers 2 x Parts : Z11E 10 x Parts : Z11F 50 x Parts : Z11G</p>	<p>1.5-2.5 mm2 IN D1= 5 D2= 11 Sterling part numbers 2 x Parts : Z11H 10 x Parts : Z11I 50 x Parts : Z11J</p>	<p>4-6 mm2 IN D1= 5 D2= 12 Sterling part numbers 2 x Parts : Z11K 10 x Parts : Z11L 50 x Parts : Z11M</p>	<p><b>MULTIPACK</b></p> <p>6 of each bullet terminal (M) Pack Part Number : Z14I</p>		<p>2 x Parts : Z11N 10 x Parts : Z12A 50 x Parts : Z12B</p>
<p>1.5-2.5 mm2 IN D1= 5 D2=14 Sterling part numbers 2 x Parts : Z12C 10 x Parts : Z12D 50 x Parts : Z12E</p>	<p>4-6 mm2 IN D1= 5 D2=14 Sterling part numbers 2 x Parts : Z12F 10 x Parts : Z12G 50 x Parts : Z12H</p>	<p><b>MULTIPACK</b></p> <p>6 of each bullet terminal (F) Pack Part Number : Z14J</p>	<p><b>Polymer Cable Gland</b></p>  <p>L1 : 8mm L2 : 8mm Cable - 2.5-4.5mm2 Sterling part numbers 2 x Parts : 2M12 10 x Parts : 10M12 50 x Parts : 50M12</p>		

**Chock Block Connector Strip - Strip of 12 - Up to 400V**

 <p>L: 93mm H: 12mm Cable: 4mm limit Current Limit : 3A 1 x Strip : 1H3A 2 x Strip : 2H3A 5 x Strip : 5H3A</p>	<p>L: 126mm H: 15.5mm Cable: 10mm limit Current Limit : 10A 1 x Strip : 1H10A 2 x Strip : 2H10A 5 x Strip : 5H10A</p>	<p>L: 155mm H: 19.5mm Cable: 14mm limit Current Limit : 20A 1 x Strip : 1H20A 2 x Strip : 2H20A 5 x Strip : 5H20A</p>	<p>L: 192mm H: 26mm Cable: 25mm limit Current Limit : 60A 1 x Strip : 1H60A 2 x Strip : 2H60A 5 x Strip : 5H60A</p>	<p>L: 250mm H: 31mm Cable: 40mm limit Current Limit : 100A 1 x Strip : 1H100A 2 x Strip : 2H100A 5 x Strip : 5H100A</p>
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**Ferrule Use ONLY**

Square Pressure Crimp Tool  
Suitable ONLY FOR  
Ferrule crimping  
Cable AWG: 24-10  
Cable mm2: 0.25-6.0  
Sterling Code  
MG-8-6-4

Crimp Tool  
Suitable for general  
crimping use  
Cable AWG: 22-10  
Cable mm2: 0.5-6.0  
Sterling Code  
MG-8-6-4



**ACCESSORIES CABLE TERMINATIONS AND ACCESSORIES**

**Sterling Jump Leads**

Jump leads come in a variety of shapes, sizes and prices. To ensure you are receiving and looking at a good quality jump-clamp, there are two very simple things to look for.

- 1) The clamp head should not be made from folded steel or copper, this is flimsy and brittle and easily damaged. A good jump lead clamp will be cast brass - thicker, heavier and more robust, featuring a heavy spring to ensure good connections.
- 2) The cable running to the jump leads must be thick, minimising voltage drop and ensuring a good and efficient flow of power.

Sterling jump leads are as sturdy as we could feasibly manufacture and offer a range of cable to the customer from 35mm<sup>2</sup> to 70mm<sup>2</sup>, ensuring a quality far better than is generally available on the market.

**Battery Jump Start Clamps (CLAMPS ONLY)**

**BJSP** - Positive/Red Jump Start Clamp  
**BJSN** - Negative/Black Jump Start Clamp

**Battery Jump Start Sets (Red and Black Clamp including cable)**

35mm<sup>2</sup> cable jump start set. 4 meters of cable : **JS35RB4**. 6 meters of cable : **JS35RB6**  
50mm<sup>2</sup> cable jump start set. 4 meters of cable : **JS50RB4**. 6 meters of cable : **JS50RB6**  
70mm<sup>2</sup> cable jump start set. 4 meters of cable : **JS70RB4**. 6 meters of cable : **JS70RB6**

95mm<sup>2</sup>, 120mm<sup>2</sup>, 150mm<sup>2</sup> cable options available. Custom lengths also available, contact us directly.



Fig 8.1  
BJSP and BJSN jump start clamps



Fig 8.2  
Macro image of BJSP Construction quality

**Cable Terminations (Ring Terminals)**

Sterling do a range of larger cable terminations, to expand on previous page offerings. Crimp ring terminals are only available in packs of either TWO, SIX or TWELVE.

**Ordering Packs**

The TWO/DUAL packs have a suffix code of D at the end of the Sterling part number.  
The SIX packs have a suffix code of SIX at the end of the Sterling part number.  
The TWELVE/DOZEN packs have a suffix code of DOZ at the end of the Sterling part number.

**Example Order Codes**

For example, the 120mm<sup>2</sup> cable with 10mm diameter ring holes can be ordered with the codes TC120H10D, TC120H10SIX or TC120H10DOZ.

**Product Codes**

Crimp terminal post Diameter/mm - H	Cross Sectional Area of Wire / mm <sup>2</sup> - C								
	* 6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	25mm <sup>2</sup>	50mm <sup>2</sup>	70mm <sup>2</sup>	95mm <sup>2</sup>	120mm <sup>2</sup>	150mm <sup>2</sup>
6mm	TC6H6	TC10H6	TC16H6	TC25H6	N/A	N/A	N/A	N/A	N/A
8mm	TC6H8	TC10H8	TC16H8	TC25H8	TC50H8	TC70H8	TC95H8	TC120H8	TC150H8
10mm	TC6H10	TC10H10	TC16H10	TC25H10	TC50H10	TC70H10	TC95H10	TC120H10	TC150H10
12mm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	TC120H12	TC150H12

**Diagram of H and C measurement correlation**

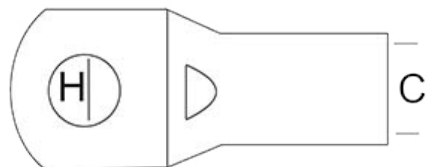


Fig 8.2  
H and C measurement diagram, ring terminals



## ACCESSORIES ANDERSON STYLE TERMINATIONS AND ACCESSORIES

### Anderson Style Cable Connectors

### Single Input Anderson Style Connectors



Fig 9.1

Single connectors BROWN and GREY

### Standard (Dual input) Anderson Style Connectors Sold as a 2 pack (Dual)

Sterling stocks a broad range of Anderson style cable connectors to allow ease of connecting and disconnecting cable, yet ensuring a good connection and therefore minimal volt-drop across the connection.

Ideal for joining two lengths of cable reliably, sturdily, safely and easily, or for sorting and arranging your connections with clear, easy to understand colours.

SIZE	45A - AWG 12-16			75A AWG 6			120A AWG 2			180A AWG 1/0		
QUANTITY	2	6	12	2	6	12	2	6	12	2	6	12
BLACK	Z14A	Z14B	Z14C	Z16G	Z16H	Z16I	Z18A	Z18B	Z18C	Z19G	Z19H	Z19I
RED	Z14D	Z14E	Z14F	Z16J	Z16K	Z16L	Z18D	Z18E	Z18F	Z19J	Z19K	Z19L
BROWN	Z14G	Z14H	Z14I	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
YELLOW	Z14J	Z14K	Z14L	Z17A	Z17B	Z17C	Z18G	Z18H	Z18I	Z20A	Z20B	Z20C
GREEN	Z15A	Z15B	Z15C	Z17D	Z17E	Z17F	Z18J	Z18K	Z18L	Z20D	Z20E	Z20F
BLUE	Z15D	Z15E	Z15F	Z17G	Z17H	Z17I	Z19A	Z19B	Z19C	Z20G	Z20H	Z20I
GREY	Z15G	Z15H	Z15I	Z17J	Z17K	Z17L	Z19D	Z19E	Z19F	N/A	N/A	N/A
WHITE	Z15J	Z15K	Z15L	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Part Code	Current Rating	Size
AS50D	50A	35mm x 15mm x 47mm
AS120D	120A	44mm x 20mm x 63mm
AS175D	175A	53mm x 25mm x 79mm
AS350D	350A	70mm x 31mm x 108mm



Fig 9.2  
Left and right, AS120D

### Triple Anderson Style Connectors. Sold as a single or dual pack

Part Code	Current Rating	Size	Cable intake
Z20J	50A	1	6AWG
Z20K	50A	2	6AWG
Z20L	175A	1	1/0AWG
Z21A	175A	2	1/0AWG



Fig 9.2  
Left, Z20J

## Anderson Style Connector Accessories

		Anderson Type			
		50A	120A	175A	350A
Anderson	Handle	Z21B	Z21I	Z22A	Z22E
	Rubber Dust Cover (RED)	Z21C	Z21J	Z22B	Z21K
	Rubber Dust Cover (BLK)	Z21D	N/A	N/A	Z21L
	Cable Plug Cover (RED)	Z21E	N/A	Z22C	Z22F
	Cable Plug Cover (BLK)	Z21F	N/A	Z22D	Z22G
	Cable Sleeve Cover (RED)	Z21G	N/A	N/A	N/A
	Cable Sleeve Cover (BLK)	Z21H	N/A	N/A	N/A



Fig 9.3  
Anderson Handle and Dust Cover



Fig 9.4  
Anderson Plug Covers and Cable Sleeve Cover



STERLING  
POWER

ACCESSORIES BATTERY TERMINALS AND BUS BARS

Battery Terminals



Brass Battery Terminals w/ Nut  
**Sterling Part Number**  
BT69P Positive Terminal only  
BT69N Negative Terminal only  
BT69PN (positive and negative)  
BT69PN2 (positive and negative) x2  
BT69PN3 (positive and negative) x3  
BT69PN4 (positive and negative) x4



Brass Battery Terminals w/ Wingnut  
**Sterling Part Number**  
BT17P Positive terminal only  
BT17N Negative terminal only  
BT17PN (positive and negative)  
BT17PN2 (positive and negative) x2  
BT17PN3 (positive and negative) x3  
BT17PN4 (positive and negative) x4



Lead Battery Terminals w/ Wingnut  
**Sterling Part Number**  
BT82P Positive terminal only  
BT82N Negative terminal only  
BT82PN (positive and negative)  
BT82PN2 (positive and negative) x2  
BT82PN3 (positive and negative) x3  
BT82PN4 (positive and negative) x4



Mini ANL fuse holder battery terminals - Positive and Negative  
Positive - **BTFHP**  
Negative - **BTFHN**



Quick Release Battery Terminal  
**QRBT** (positive and negative)



**GBT-600PN**  
8 mm bolt 80g  
(pos and neg)



**GBT-100PN**  
8mm bolt with  
WING NUT 110g



**GBT-1000PN**  
10 mm bolt 100g  
(pos and neg)



**GBT-700PN**  
10mm CABLE CLAMP 95g

Solid Block Power Distribution

Gold plated for superior contacts and transfer.



**GPB-2488**  
CABLE DIA:  
2 x 10mm  
8 x 8mm  
232g



**GPB-102468**  
CABLE DIA:  
1x 12mm  
2x 10 mm  
6x 8mm  
407g  
**Footprint 105mm x 65mm**

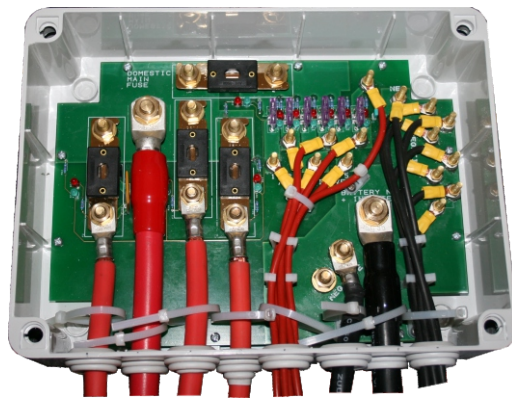


**GPB-1044**  
CABLE DIA:  
1x 12mm  
4x 10mm  
431g  
**Footprint 105mm x 65mm**

**ACCESSORIES HIGH POWER DISTRIBUTION AND FUSE BOX, 500A**

<b>PPD500</b>	The Sterling High Power Distribution and Fuse Box (Product code PPD500) is a 500A rated distribution system for boats and specialist vehicles, offering 5 x 15A continuous outputs (with 30A inline fuses) and one 300A fuse supplying the entire output section.
<b>Output ratings</b>	3x ANL fused outputs from 80-500A capabilities.
<b>Auxiliary DC feed</b>	An additional auxiliary DC feed position allows you to bypass the main-feed control, providing a permanent feed even if the battery bank is isolated. Very useful for alarms or bilge pumps.
<b>Fuse blow indicators</b>	Red LEDs show when a fuse has blown (will only indicate when the fuse has blown or failed).
<b>Constant output feed</b>	1x 15A maintained output with a 30A fuse.
<b>Customisable LED indicators</b>	Green LEDs indicate when a circuit is live, though can be disabled easily at user preference.
<b>Cable management</b>	Cable guides for the low power cables, and cable ties can be tightened when wiring complete to keep your cable tidy and secure.
<b>Clearly designed negatives</b>	Negatives clear and returning to the distribution box, enabling easy circuit checks.
<b>Alternator protection circuit</b>	Emergency alternator link option available in the event the alternator fuse blows- protecting the alternator from spiking and becoming damaged.
<b>Design purpose</b>	This item is predominantly designed to target the retail and OEM markets.
<b>Retail</b>	For the Retail Market, the PPD500 can modernise a system, making it safer and easier to find fuses and cabling in case of faulty circuitry. Install near your domestic battery system to meet modern safety requirements
<b>OEM</b>	For the OEM market, the PPD500 reduces wiring time and improves cable tidiness. It replaces the need for many individual parts to be fitted and connected, saving you time and money.
<b>Fuses required</b>	3 GANL fuses are required to complete the distribution box, indicated by a purple square below. They are not supplied with the unit. Please refer to the fuse page for relevant codes.

**Product images and code**



Part Code	Weight	Size
PPD500	1.5kg	300 x 220 x 120 mm

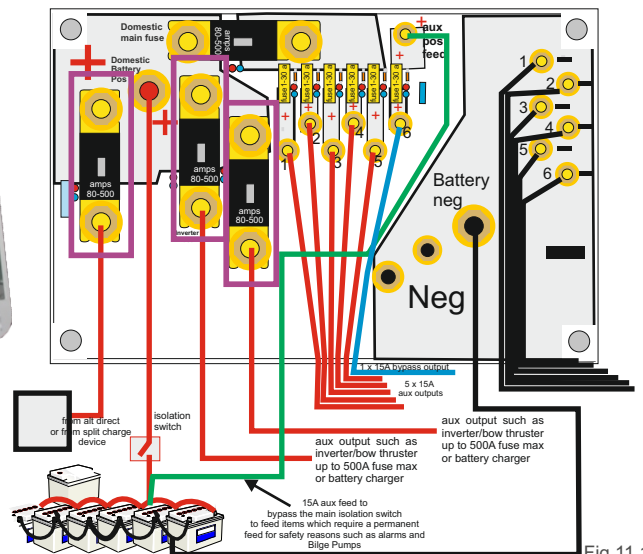


Fig 11.1  
[Left] PPD500 image, [Right] PPD500 diagram

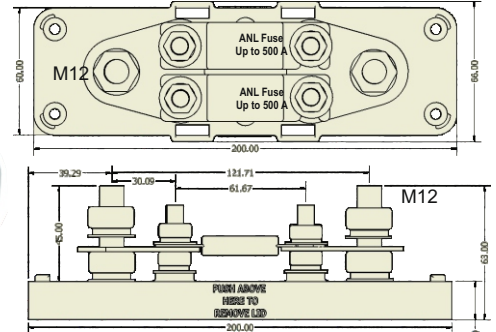
**ACCESSORIES FUSE HOLDERS**

Gold plated fuse holder (GFH)  
Suitable for ANL fuses

Dual fuse holder with M12 Bolts  
Code : GFH12  
200 x 66 x 69cm

- Fittings (non ferrous).
- **M12 cable connector.**
- **Up to 1000A rated.**
- Twin or single fuse function.
- Single or twin output.

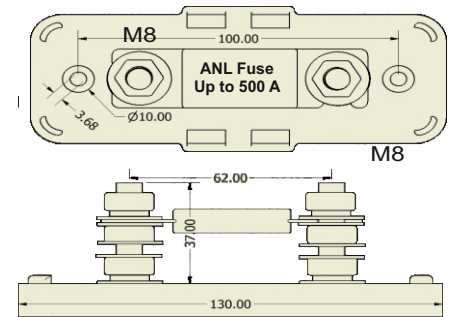
Fits 2 x ANL fuses  
up to 1000A total



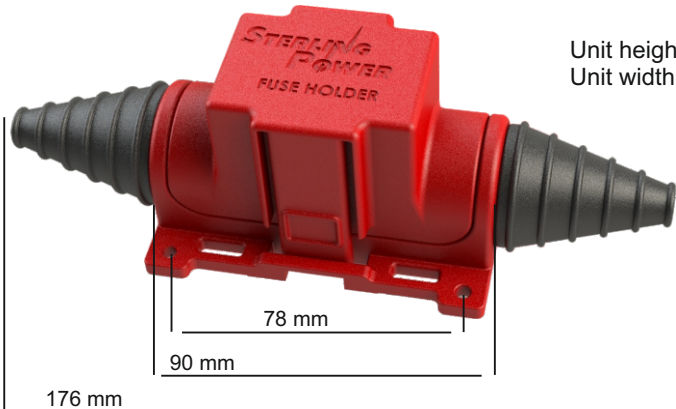
Single fuse holder with M8 Bolts  
Code : GFH8  
145 x 55 x 53cm

- Fittings (non ferrous).
- **M8 cable connector.**
- **Up to 500A rated**
- ventilated cover protection.
- Isolated rear protection.

Fits 1 fuse  
up to 500A



Water resistant fuse holders  
M6 bolts



Unit height: 53 mm  
Unit width: 62 mm

ATO/ATC/AMT/Maxi fuse holder variant

Sterling has a range of water-resistant fuse holders that can fit a variety of fuse requirements. The ATO/ATC/AMT/Maxi fuse variant has 6mm bolts for cable connections and rubber boots that can be cut and tied to help the water resistant aspect.

Spare Fuses

The lid has a shaped design to assist in spare fuses being kept in the installation itself.

BFH1

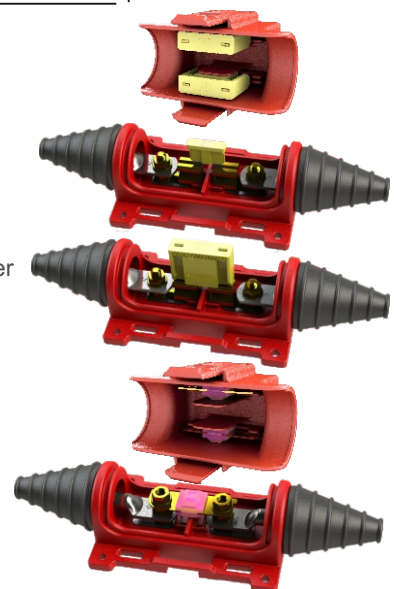
The product code for the ATO/ATC/AMT/MAXI water resistant fuse holder is BFH1

Mini ANL/AFS fuse holder variant

Sterling also has produced a Mini ANL/AFS fuse holder with the same water resistant design and rubber connections. Using 6mm bolts and a sturdy frame, it'll exceed installation expectations.

MANL1

The product code for the ANL/AFS water resistant fuse holder is MANL1





**STERLING  
POWER**

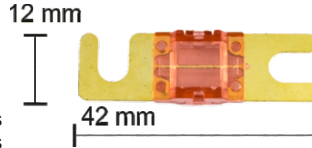
**ACCESSORIES FUSES + FUSE HOLDERS**

**Fuses**

**Mini ANL / AFS Fuse Dual Pack**

**Sterling Part Number** 2 x Mini ANL / Fuse

- AFS20D** 20A MINI ANL Fuses
- AFS30D** 30A MINI ANL Fuses
- AFS40D** 40A MINI ANL Fuses
- AFS60D** 60A MINI ANL Fuses
- AFS80D** 80A MINI ANL Fuses
- AFS100D** 100A MINI ANL Fuses
- AFS120D** 120A MINI ANL Fuses
- AFS150D** 150A MINI ANL Fuses
- AFSMP** Multi pack 1x each of above (8x2 fuses)



**ANL Fuses Single Pack (gold plated)**

**Sterling Part Number** 1 x ANL Fuse

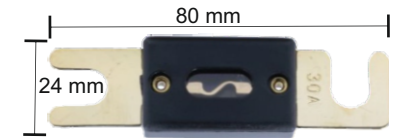
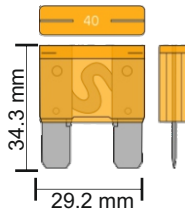
- GANL80** 80A ANL Fuse
- GANL100** 100A ANL Fuse
- GANL150** 150A ANL Fuse
- GANL200** 200A ANL Fuse
- GANL250** 250A ANL Fuse
- GANL300** 300A ANL Fuse
- GANL350** 350A ANL Fuse
- GANL400** 400A ANL Fuse
- GANL500** 500A ANL Fuse
- ANLMP** Multi pack 1x each of above (9 fuses)



**Maxi AMT Fuse Dual Pack**

**Sterling Part Number** 2 x AMT Fuse

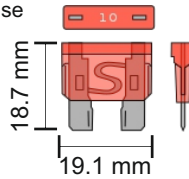
- AMT20D** 20A Maxi AMT Fuses
- AMT30D** 30A Maxi AMT Fuses
- AMT40D** 40A Maxi AMT Fuses
- AMT50D** 50A Maxi AMT Fuses
- AMT60D** 60A Maxi AMT Fuses
- AMT70D** 70A Maxi AMT Fuses
- AMT80D** 80A Maxi AMT Fuses
- AMT90D** 90A Maxi AMT Fuses
- AMTMP** Multi pack 1x each of above (8x2 fuses)



**ATC/ATO Fuse Dual Pack**

**Sterling Part Number** 2 x ATC/ATO Fuse

- ATC5D** 5A ATC / ATO Fuses
- ATC10D** 10A ATC / ATO Fuses
- ATC15D** 15A ATC / ATO Fuses
- ATC20D** 20A ATC / ATO Fuses
- ATC30D** 30A ATC/ATO Fuses
- ATC35D** 35A ATC/ATO Fuses
- ATC40D** 40A ATC/ATO Fuses
- ATCMP** Multi pack 1x each of above (7x2 fuses)



Super Marine Multi fuse pack: combined all above fuses. Ideal for having lying in your boat for emergencies.  
ANL x9, Mini ANL / AFS x16, AMT x16, ATC / ATO x14  
**Sterling Part Number**  
**ASUP** Super fuse pack 55 fuse pack (collection of multi-packs)



**Fuse Holders**

<p><b>ATC fuse</b></p> <p><b>GATC 1428</b> 1 in 2 out 1 X 10 mm 2 X 6 mm FUSED OUT115g</p> <p><b>GATC 2828</b> 2 in 2 out 2 X 6 mm IN FUSED OUT 115g</p> <p><b>GATC 3448</b> 3 in (solid) 4 out 3 X 10 mm IN (SOLID) 4 X 6 mm FUSED OUT 223g</p> <p><b>GATC 4848</b> 4 in 4 out 4 X 6 mm IN AND FUSED OUT 220g</p>	<p><b>AMT / Maxi fuse</b></p> <p><b>GMFB 1428</b> 1 in 2 out 1 X 10 mm IN 2 X 6 mm OUT 170g</p> <p><b>GMFB 2828</b> 2 in 2 out 2 X 6 mm IN   2 X 6 mm OUT 170g</p> <p><b>GMFB 3448</b> 3 in 4 out 3 X 10 mm IN (SOLID) 4 X FUSED 6mm OUT 320g</p> <p><b>GMFB 4848</b> 4 in 4 out 4 X 6 mm IN 4 X 8 mm 170g</p>	<p><b>AUE fuse</b></p> <p><b>GFH-04-1</b> Single AUE fuse holder 10mm cable with eye Bolt for battery terminal 50g</p> <p><b>GFB 3428</b> 2 X 6 mm IN 2 X 6 mm FUSED OUT 203g</p> <p><b>GFB 4848</b> 4 X 6 mm IN 4 X 6 mm FUSED OUT 371g</p> <p><b>BUSS BAR LINK INCLUDED</b> Ring connector</p> <p>Footprint 148mm x 110 mm <b>GFBR</b> 4 X holder for</p>	<p><b>Mini ANL</b></p> <p><b>FHMNS single</b> <b>FHMN4</b> pack of 4</p> <p><b>AFS4FB</b> 4 way fuse block</p>	<p><b>Resettable Fuses</b></p> <p><b>CB50</b> 50A Fuse <b>CB100</b> 100A Fuse <b>CB150</b> 150A Fuse <b>CB200</b> 200A Fuse <b>CB250</b> 250A Fuse <b>CB300</b> 300A Fuse</p> <p><b>Multi ATC fuse</b> ATC / ATO fuse holder Integrates fault lights to display when fuses have blown Negative bus-bar Fits either 6 or 12 fuses</p> <p><b>FH6W</b> 6 Way <b>FH12W</b> 12 Way</p>
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**ACCESSORIES OTHER ACCESSORIES**

- Heavy duty reverse solenoid  
500W-1500W
- 12V DC Breaker Switch Panel
- Surface Mount Sockets/Breaker
- Battery box
- 6 way switch panel
- Main Control Panel
- Daisy Chain Temperature Alarm
- 100 Units in Series
- Purpose
- Waterproof Rating
- Includes
- Typical Usage
- Limitations
- Part Codes

A 1500W rated heavy duty solenoid, suitable for anchor winch or bow thruster.  
Product code : **SFF203**

A 12V breaker switch panel with USB connectors, as well as a live voltage readout.  
Product code : **SF50774**

Surface mount sockets with circuit breaker, 12V and 24V.  
Product code : **SF50988**

Water resistant battery box with voltmeter  
Without Anderson Style Connectors, Product code : **BBA**  
With Anderson Style Connectors, Product code : **BBN**

Plastic 6 piece switch panel, with LED, USB connections and Voltmeter  
Product code : **6WSP**

Main control panel, AC/DC switches and voltmeter  
Product code : **MCP**

Most problems caused on engine systems can be pre-empted and stopped before any catastrophic failure takes place. Many of these failures are caused by runaway temperature rises on batteries / hydraulic systems / bearings etc. The daisy chain can be installed in these key areas and an alarm is sounded and/or a relay triggered to implement the response you desire.

Up to 100 digital normally closed switch temperature sensors can be added in series. If any one of these sensors open circuits the daisy chain will trigger.

The daisy chain is a trip/warning device to indicate when a safe working temperature has been exceeded in a position, and prompting an automatic response set by you.

Built to Ip66 ratings.

Includes 1x Remote LED, 1x Buzzer W/ LED, 1x Switch (to turn off buzzer).

Typical usage would be on battery terminals or alternator points to provide a reaction once a temperature is exceeded, either disabling charge or limiting a certain load from continuing to be connected.

The only limitation with having multiple temperature sensors is that in large sensor arrays, 20 for example, if one of them triggers it is not immediately apparent which one has triggered.

Part Code	Description
TSB12	12V Daisy Chain Box + LED and Buzzer and Switch
TSB24	24V Daisy Chain Box + LED and Buzzer and Switch
TSD50	Ip68 Digital Temperature Sensor, 50'C/120'F trigger
TSD60	Ip68 Digital Temperature Sensor, 60'C/140'F trigger
TSD70	Ip68 Digital Temperature Sensor, 70'C/158'F trigger
TSD80	Ip68 Digital Temperature Sensor, 80'C/176'F trigger

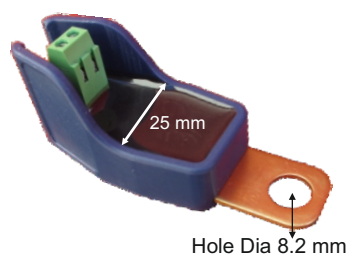
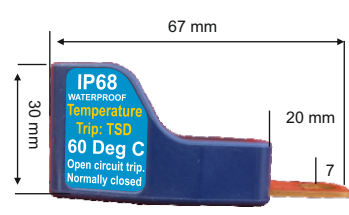


Fig 14.1  
SFF203



Fig 14.2  
SF50774



Fig 14.3  
SF50988



Fig 14.4  
BBA



Fig 14.5  
6WSP



Fig 14.6  
MCP

Fig 14.7  
[Left and Middle] Temperature Sensor diagrams and monitors, [Right] TSB unit



## ACCESSORIES BATTERY BALANCER

**The Problem** When batteries are connected in series (ie 2 x 12V for 24V, 3x for 36V etc), whether lead acid or lithium there is always a tendency for one battery to be more reactive than the other, charging or discharging faster. This can disrupt the balance between the 2 batteries, when on charge, one battery charges to full and stops the charge cycle while the other battery is not yet full. On discharge the full capacity is not utilized as the bank hasn't been fully charged. This can even lead to overcharge/gassing on lead acid batteries, or BMS shutdown on lithium batteries.

**Solution** The BAL24 ensures that all batteries are equally charged and so ensures that the full potential capacity of the battery bank is utilised. This has a significant effect on usable capacity and battery life/longevity as it prevents one battery from being overworked and damaged in a battery bank. The BAL24 critical device on any series battery installation.

**BAL24 purpose** The BAL24 is designed to be used to balance 24V battery banks comprised of multiple 12V batteries. It is a plug and play device that does not need any adjustment. Simply connect the 3x ring terminals to the respective connections on the batteries. The two display screens simply show the voltage of the battery that the cables are connected to.

**BAL24 operation** The BAL24 operates by transferring power from the battery with a higher voltage to the battery with a lower voltage, with the interest of equalising the two. The balancing current can be up to 5A, varying depending on the scale of the voltage difference. As the battery voltages equalise current will gradually trail off.

**System requirements**  
 For a 24V system, 1x BAL24 is required  
 For a 36V system, 2x BAL24 are required  
 For a 48V system, 3x BAL24 are required

**Increased current** Multiple can be installed in parallel to increase balancing current. Simply stack the 8mm ring terminals on top of each other.

**BAL24 display** The left screen shows the voltage across the 24V-12V (red and white cables) and the right screen shows the voltage between the 12V-0V (white and black cables).

**Cable installation**  
 Red cable - 24V  
 White cable - 12V  
 Black cable - 0V



Fig 15.1  
BAL24 display

24V install

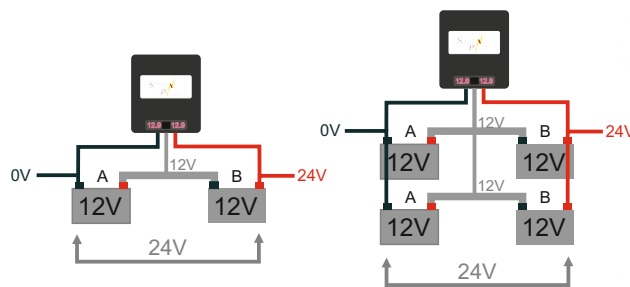
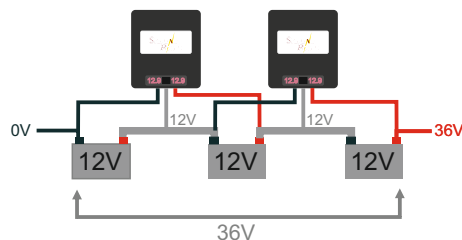


Fig 15.2  
BAL24 render

36V install



48V install

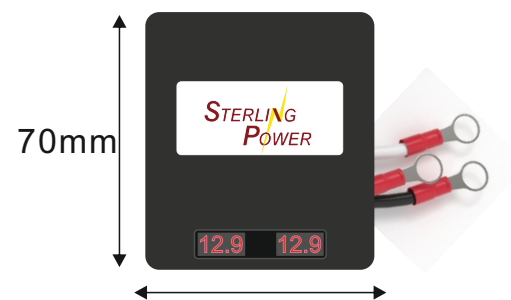
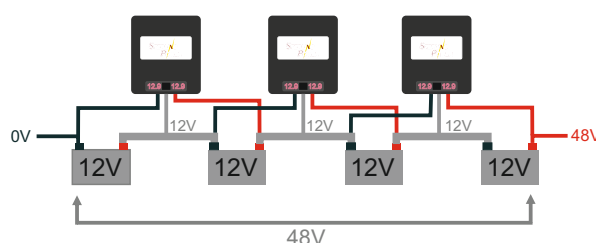


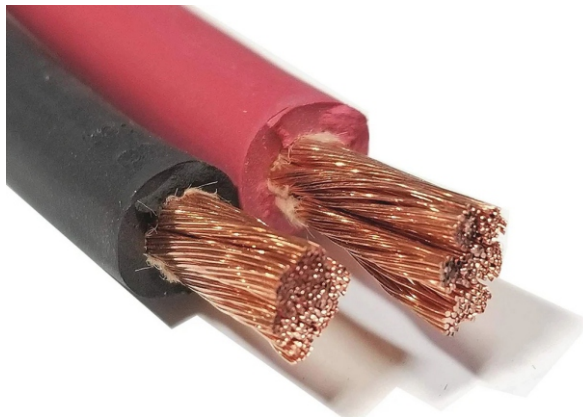
Fig 15.3  
BAL24 dimensions. Ring terminals are 8mm

**CABLE CHART** Cable Part Numbers

15mm Exposed Copper Ends					Straight cut Ends				
CSA	Cable Length (m)				CSA	Cable Length (m)			
	0.5	1	2	5		0.5	1	2	5
10mm <sup>2</sup>	C10R05EX	C10R1EX	C10R2EX	C10R5EX	10mm <sup>2</sup>	C10R05INS	C10R1INS	C10R2INS	C10R5INS
10mm <sup>2</sup>	C10B05EX	C10B1EX	C10B2EX	C10B5EX	10mm <sup>2</sup>	C10B05INS	C10B1INS	C10B2INS	C10B5INS
16mm <sup>2</sup>	C16R05EX	C16R1EX	C16R2EX	C16R5EX	16mm <sup>2</sup>	C16R05INS	C16R1INS	C16R2INS	C16R5INS
16mm <sup>2</sup>	C16B05EX	C16B1EX	C16B2EX	C16B5EX	16mm <sup>2</sup>	C16B05INS	C16B1INS	C16B2INS	C16B5INS
25mm <sup>2</sup>	C25R05EX	C25R1EX	C25R2EX	C25R5EX	25mm <sup>2</sup>	C25R05INS	C25R1INS	C25R2INS	C25R5INS
25mm <sup>2</sup>	C25B05EX	C25B1EX	C25B2EX	C25B5EX	25mm <sup>2</sup>	C25B05INS	C25B1INS	C25B2INS	C25B5INS
35mm <sup>2</sup>	C35R05EX	C35R1EX	C35R2EX	C35R5EX	35mm <sup>2</sup>	C35R05INS	C35R1INS	C35R2INS	C35R5INS
35mm <sup>2</sup>	C35B05EX	C35B1EX	C35B2EX	C35B5EX	35mm <sup>2</sup>	C35B05INS	C35B1INS	C35B2INS	C35B5INS
50mm <sup>2</sup>	C50R05EX	C50R1EX	C50R2EX	C50R5EX	50mm <sup>2</sup>	C50R05INS	C50R1INS	C50R2INS	C50R5INS
50mm <sup>2</sup>	C50B05EX	C50B1EX	C50B2EX	C50B5EX	50mm <sup>2</sup>	C50B05INS	C50B1INS	C50B2INS	C50B5INS
70mm <sup>2</sup>	C70R05EX	C70R1EX	C70R2EX	C70R5EX	70mm <sup>2</sup>	C70R05INS	C70R1INS	C70R2INS	C70R5INS
70mm <sup>2</sup>	C70B05EX	C70B1EX	C70B2EX	C70B5EX	70mm <sup>2</sup>	C70B05INS	C70B1INS	C70B2INS	C70B5INS
95mm <sup>2</sup>	C95R05EX	C95R1EX	C95R2EX	C95R5EX	95mm <sup>2</sup>	C95R05INS	C95R1INS	C95R2INS	C95R5INS
95mm <sup>2</sup>	C95B05EX	C95B1EX	C95B2EX	C95B5EX	95mm <sup>2</sup>	C95B05INS	C95B1INS	C95B2INS	C95B5INS
120mm <sup>2</sup>	C120R05EX	C120R1EX	C120R2EX	C120R5EX	120mm <sup>2</sup>	C120R05INS	C120R1INS	C120R2INS	C120R5INS
120mm <sup>2</sup>	C120B05EX	C120B1EX	C120B2EX	C120B5EX	120mm <sup>2</sup>	C120B05INS	C120B1INS	C120B2INS	C120B5INS
150mm <sup>2</sup>	C150R05EX	C150R1EX	C150R2EX	C150R5EX	150mm <sup>2</sup>	C150R05INS	C150R1INS	C150R2INS	C150R5INS
150mm <sup>2</sup>	C150B05EX	C150B1EX	C150B2EX	C150B5EX	150mm <sup>2</sup>	C150B05INS	C150B1INS	C150B2INS	C150B5INS

**Cable** If you use the table to find the part number you require and cross reference it with the price list or our website you shall be able to find the required price.

10mm<sup>2</sup> up to 150mm<sup>2</sup> are available in red and black







**THANK YOU** Thank you for considering Sterling. Happy travels.

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**THANK YOU** Thank you for considering Sterling. Happy travels.

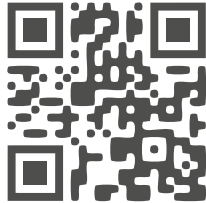
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**Further consideration**

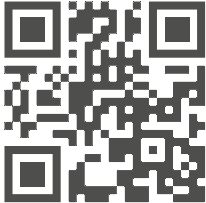
You may also be interested in some of our other catalogues as they may include equipment not mentioned in this brochure.

If you are interested in placing an order or asking a question, please contact [info@sterling-power.com](mailto:info@sterling-power.com)

**Automotive Catalogue  
A**



**Marine Catalogue  
B**



**Accessories Catalogue  
C**



**AMPS Lithium Catalogue  
D**



**Voltage drop specification**

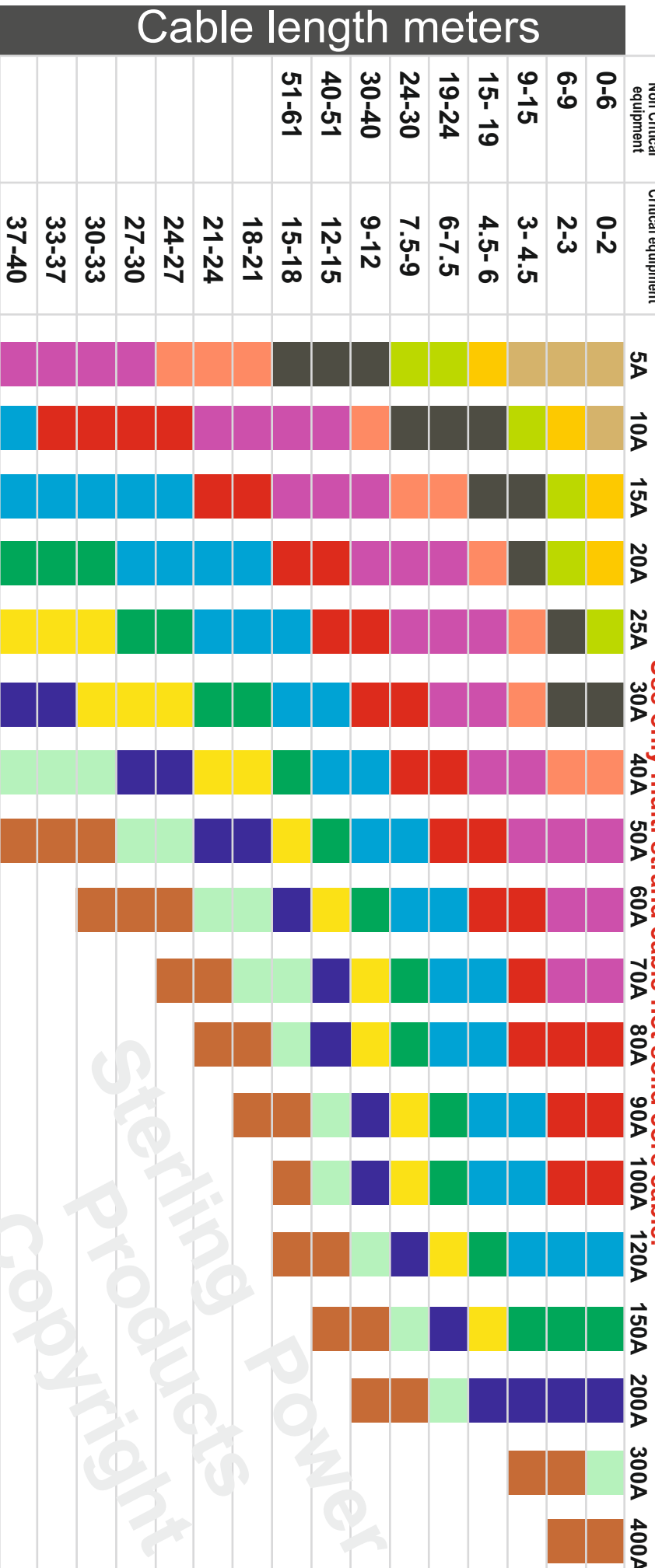
Higher voltage drop  
Lights, pumps  
Non Critical  
equipment

Low voltage drop  
Inverters, chargers  
Critical equipment

Safety regulations demands any cable directly connected to a battery source must be fused

Required Current based at approx 60 deg C 12V

Warning: this is total cable length not distance to product remember to add the pos and neg cable length as total



This chart for general reference only, cables sizes vary with ambient temperatures and other aspects

Use only multi strand cable not solid core cable.

Required Current based at approx 60 deg C 12V

Warning: this is total cable length not distance to product remember to add the pos and neg cable length as total

AWG American Wire Gauge	Copper diameter mm	Copper Cross sectional mm sq	AWG American Wire Gauge	Copper diameter mm	Copper Cross sectional mm sq	AWG American Wire Gauge	Copper diameter mm	Copper Cross sectional mm sq
16	1.29	1.5	8	3.26	10.0	1	7.35	50.00
14	1.63	2.5	6	4.11	16.0	0	8.25	60.00
12	2.05	4.0	4	5.19	25.0	00	9.27	70.00
10	2.59	6.0	2	6.54	35.0	000	10.40	95.00
						0000	11.68	120.00

For unknown cable simply measure copper conduit diameter and equate to the above chart. do not measure the cable insulation diameter. The mm sq figure is rounded up for Euro cables.

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