



PRODUCT SUMMARY

THE MARKET LEADING SUPPLIER OF
SPECIALISED POWER DISTRIBUTION UNITS



DESIGNED AND
MANUFACTURED
IN THE UK



MARKET LEADING SUPPLIER OF SPECIALISED POWER DISTRIBUTION UNITS

Originally producing components for radios, we quickly moved towards manufacturing instrument cases for the communications industry

1961

Our first PDU was designed for our own use at an exhibition. This innovation received orders due to its high build quality and saw the launch of standard UK 13 A power distribution units

1971



Opening of head office in Stanmore, London

1998

WHO WE ARE

We are a UK based manufacturer with nearly 60 years experience. Our staff offer a unique blend of expertise as designers, manufacturers and consultants.

We believe this unique blend, our hands on experience and our knowledge of manufacturing Power Distribution Units (PDU) are the foundation for the specialised services we offer.

From inception, Olson have been innovators within the industry and now continuing to do so. We are constantly developing our offering in-line with the latest regulation changes and our ranges to enhance the customer experience.



A range of sequential start PDUs to reduce inrush current

2006

Enhancements to our suspended unit range saw the launch of the retractor system

2018



Further in-house innovation led to an updated Remote Monitoring PDU range incorporating Remote Switching and a PDU mounted display and keypad

2019

DESK & WALL



Olson offer an extensive range of below desk, on desk and wall mounting power distribution solutions including products with Wieland interconnect cables and units conforming to BS 6396. We can also provide floor boxes, cables and basket trays to complete your installation.

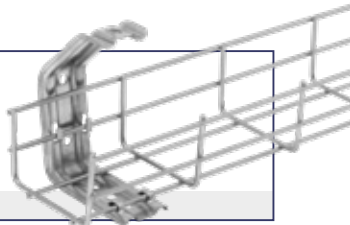
OPTIONS

- 2 - 20 Outlets
- USB charging points
- Sequential start
- Surge protection
- Mains filter
- Mains switch
- MCB / RCD / RCBO protection
- Interconnecting leads
- International sockets
- Custom colours
- 13 A / 16 A / 32 A Plug / no plug
- Custom lead length / no lead

ON DESK SOLUTIONS



UNDER DESK BASKET TRAY



APPLICATIONS

- Residential
- Office desk
- Education
- Reception areas
- Storage areas
- Workshops

CAVITY FLOOR BOXES



SLOPING UNITS



The Sloping range from Olson provides a tough and versatile power distribution solution for factory work benches, laboratories and school / university science benches. A wide variety of outlets including USB chargers and data ports can be specified along with input protection and various leads and connection options. The length and colour can be customised to suit the application.

OPTIONS

- 2 - 20 Outlets
- USB charging points
- Data ports
- Surge protection
- Mains filter
- Mains switch
- MCB / RCD / RCBO protection
- International sockets
- Custom colours
- 13 A / 16 A / 32 A plug
- Custom lead length / no lead

APPLICATIONS

- Laboratory benches
- Factory benches
- Science benches
- Workshops
- Garages

SUSPENDED UNITS

The popular Suspended range offers a simple way to provide overhead power and data distribution in workshops, garages and factories. Tough solid steel construction and a wide range of outlets provides a solution for all applications. The unit can be mounted on a fixed chain or with the Retractor and Spring cable option allowing it to be raised and lowered as required.

OPTIONS

- 13 A UK outlets single and double
- USB charging points
- 16 A and 32 A EN 60309 sockets plus 3 phase
- Data ports
- International sockets
- Custom colours
- Chain & cable
- Retractor & spring cable
- 13 A / 16 A / 32 A Plug
- Custom lead length / no lead

APPLICATIONS

- Workshops
- Garages
- Factories
- Commercial kitchens



Retractor or cable and chain sold separately

19" RACK MOUNTING



Olson offer a wide range of 19" horizontal rack mounted power distribution solutions. Products range from 1U to 3U high with a wide range of input and outlet combinations to cover most requirements.

APPLICATIONS

- Data centres
- Audio visual
- Industrial control
- OEM equipment

OPTIONS

- Various outlets combinations – both front & rear mounting
- Cable management
- Remote Monitoring and Remote Switching
- Power meter
- USB charging points
- Data ports
- Sequential start
- Surge protection
- Mains filter
- Mains switch
- MCB / RCD / RCBO protection
- International sockets
- Custom colours
- 13 A / 16 A / 32 A plug
- Custom lead length / no lead

NEED SOMETHING CUSTOM MADE?

WHATEVER THE APPLICATION WE CAN **PROVIDE**
THE SOLUTION



VERTICAL ZERO U

The vertical range from Olson provides flexible power distribution for 19" racks. The units are mounted vertically at the rear of the cabinet to increase rack space. Outlets include C13, C19 and UK 13 A sockets in various lengths plus bottom or top cable entry. As with all Olson products the Vertical range can be customised to suit exact requirements.

OPTIONS

- Various outlet combinations
- Remote Monitoring and Remote Switching
- Power meter
- USB charging points
- Data ports
- Sequential start
- LED / switch / MCB
- RCD / RCBO
- International sockets
- Custom colour
- 13 A / 16 A / 32 A plug / no plug
- Custom lead length / no lead



**MOUNTED
VERTICALLY AT
THE REAR OF
THE CABINET
TO INCREASE
RACK SPACE**

APPLICATIONS

- Data centres
- Audio visual
- Industrial control
- OEM equipment

HOSPITAL RANGE

The Hospital range from Olson has been specifically designed to meet the demanding needs of medical applications. Specification includes all metal construction, low smoke flexible cable, green 'mains on' indicator, high integrity dual earth bonding for maximum safety, powder coated light honey beige BS08B17, units terminated with a white mains flex and a red 13 A fused plug marked 'Hospital Property'.

OPTIONS

- 2 - 20 outlets
- USB charging points
- Data ports
- Mains switch
- MCB / RCD / RCBO protection
- Custom colours
- Custom lead length / no lead

APPLICATIONS

- Operating theatres
- Patient wards
- Hospital laboratories
- Medical equipment



As supplied to the **NHS**, private hospitals and medical equipment manufacturers.

INTELLIGENT POWER MONITORING

The Olson Intelligent Power Monitoring range provides Remote Monitoring and Remote Switching capabilities to PDU's for use in data centres and other applications requiring power monitoring and control.

The PDU controller with optional switching modules can be incorporated into any of Olson's existing vertical zero U or 19" rack mounting PDU range or a bespoke PDU design.

Olson can also offer remote power monitoring software.

OPTIONS

- 19" horizontal or vertical zero U PDU options
- In line unit for adding Remote Monitoring to existing installations
- Remote Switching – up to 32 outlets / 32 A
- External temperature & humidity measurement
- Remote Monitoring Software

- ✓ Remote Monitoring
- ✓ Remote Switching
- ✓ Web Server
- ✓ SNMP output
- ✓ Email alarm sending
- ✓ Colour LCD display & keypad
- ✓ External temperature & humidity measurement
- ✓ KWH metering to 1% accuracy
- ✓ KWH metering for each outlet
- ✓ USB programme store
- ✓ UPS input
- ✓ Programmable sequential start
- ✓ Circuit breaker / fuse monitoring
- ✓ Remote Monitoring software
- ✓ Up to 32 output channels

APPLICATIONS

- Data centres
- Office serves
- Applications requiring Remote Monitoring or switching
- Applications requiring energy to be recharged
- Applications requiring energy consumption to be remotely monitored and logged



INTELLIGENT

Remote Monitoring & switching
Fuse / breaker feedback
Temperature & humidity measurement
SNMP software compatible



CUSTOMISABLE

Vertical (0U) and 19" horizontal formats
Individual or combined power measurement
IEC lock sockets / UK 13A sockets
Custom cable & colour



RELIABLE

Manufactured in the UK
Long established company

Wide range of outlets including UK 13 A and IEC Lock sockets

Up to 32 outlets with option on remote switching plus KWH metering at each outlet

Full colour display with keypad. Display and keys on the keypad can be set to rotate with the PDU installation

POWER CONSUMPTION IS DISPLAYED FOR EACH SWITCHED OUTLET TO WITHIN A 1% ACCURACY



AUTOMATIC TRANSFER SWITCH

The Olson Electronics automatic transfer switch has two mains supplies that provide redundant power to connected equipment. It is designed to normally supply power from the primary supply 'A'. If that primary supply becomes unavailable for any reason, it will automatically switch to the secondary supply 'B', with no interruption to the connected equipment. Once the primary supply 'A' is available again it will automatically switch back, again without interruption to the equipment.

OPTIONS

- 16 A or 32 A 240 / 110V single phase operation
- Various input and output configurations
- Power meter
- Custom colours
- 16 A / 32 A plugs
- Custom lead length / no lead

APPLICATIONS

- Data centres
- Office servers



DID YOU KNOW?

**OLSON NOW OFFER A WIDE RANGE OF
MANUFACTURING AND ASSEMBLY SERVICE**

**METAL FABRICATION | SUB-CONTRACT & OEM MANUFACTURE |
CUSTOM PDU DESIGN | POWDER COATING | CABLE ASSEMBLIES**



INDUSTRIAL UNITS



The Industrial range from Olson is perfect for power distribution in tough industrial environments. A variety of input and output combinations allows convenient and safe power distribution to suit your needs. 10 A, 16 A, 32 A and 63 A rated products can be supplied both single and 3 Phase configurations.

OPTIONS

- Various outlet configurations
- Power meter
- LED / switch / MCB
- RCD / RCBO
- EN 60309 sockets and plugs
- International sockets
- Custom colours
- 13 A / 16 A / 32 A / 63 A plug
- Custom lead length / no lead

APPLICATIONS

- Factories
- Warehouses
- Data Centres
- Workshops
- Garages
- Laboratories

AUDIO VISUAL



Olson provide a range of power distribution products for the Audio Visual and professional broadcast industries including 19" rack power distribution, high performance surge and filter protected products and Intelligent Power solutions. We can also custom design and build a product to your exact needs along with custom cables, 19" panels, blank 19" racks and panel assembly plus wiring services.

OPTIONS

- Various outlet configurations including C13, C19, UK 13A and neutric
- USB charging points
- Data ports
- Surge protection
- Mains filter
- MCB / RCD / RCBO protection
- International sockets
- Custom colours
- 13 A / 16 A / 32 A plug
- Custom lead length / no lead

APPLICATIONS

- Data racks
- Control system racks
- Lighting controls
- Local power distribution for audio and visual products

NEED SOMETHING CUSTOM MADE?

WHATEVER THE APPLICATION WE CAN **PROVIDE**
THE SOLUTION



INTERNATIONAL



Olson are specialists in the sourcing and supply of international sockets, plugs and lead sets. We offer an international range of PDU's and cables for use in Europe and the US but the majority of Olson products can be specified with sockets and plugs for any region.

OPTIONS

- Various international outlet configurations
- 110 / 220 / 240V operation
- Mains switch
- MCB / RCD / RCBO protection
- Sequential start
- Custom colours
- 13 A / 16 A / 32 A rating
- Custom lead length / no lead

APPLICATIONS

- Data racks
- Offices
- Hotels
- International exhibitions
- Portable equipment shipped overseas

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ACCESSORIES

To complement our extensive PDU range Olson also offer a wide range of accessories both standard stock items and custom manufactured to your specifications.

CABLES & LEADS



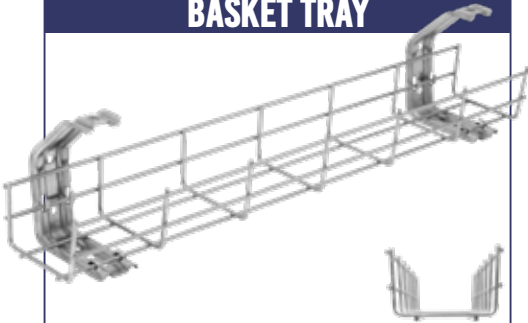
Olson offer a comprehensive range of pre made cord sets with various UK, IEC, International and Wieland plugs / connectors plus the ability to custom make cord sets to your requirements. Olson can also supply Low Smoke, Low Smoke Zero Halogen, screened, rubber and low temperature cables.

PLUGS, SOCKETS & CONNECTORS



If you require international and non-standard plugs and sockets, Olson have many years' experience of sourcing these parts and can supply most types. We also have a range of our own panel mount connectors which can be supplied in standard or bespoke colours for manufactures to fit in their equipment.

BASKET TRAY



The under-desk Basket Tray is ideal for keeping under desk cables neat and tidy and eliminates trip hazards. Available in 600, 800 and 1200 mm lengths with fixing and connecting brackets. Custom lengths can also be manufactured.

ADAPTOR BRACKETS



A range of adaptor brackets are available for mounting PDU's where the standard fixings do not work. Olson can also fabricate brackets and adaptors to your requirements for special applications.

SERVICES FROM OLSON

METAL FABRICATION

Olson offer a range of sheet metal fabrication solutions from one off custom or prototypes to full production batch runs.

- Cutting / guillotine
- Bending / folding to 2m lengths
- Punching
- Spot welding
- Stud insertion



SUB-CONTRACT & OEM MANUFACTURE

Sub-contract manufacturing service to customers utilising a fully equipped ISO 9001: 2015 manufacturing facility.

CUSTOM PDU DESIGN

Olson are industry experts in PDU design and are happy to utilise these skills to assist customers with unique power distribution requirements for a one-off Custom product or full production run.

POWDER COATING

Our powder coat paint spraying service utilises the latest powder coat spraying system and environmentally friendly gas fired drying oven.

CABLE ASSEMBLIES

High and low voltage cable assembly including custom power cables produced to customer designs including international power connectors. All cables are fully inspected and tested before dispatch.

CUSTOM PRODUCTS

Olson Electronics have the widest PDU range on the market with around 1,800 standard products available to order from stock however if none of these suit your requirements then we offer a Custom PDU design service. We can build fully custom units with the flexibility of our own metal machine shop and onsite paint spraying facility.

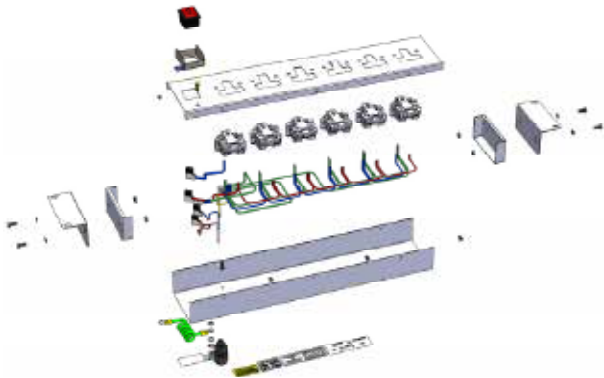
Olson Electronics have a long history of designing and manufacturing Custom PDU's for customers all over the world for production runs of 1 to 100,000 or more!

We are happy to offer customisation for our standard range including:

- Custom metalwork
- Colour finish
- Longer or shorter cables
- No cable fitted
- Power meters
- Different plugs or inlets
- Cable type and options
- Different socket outlets (including combinations)
- Inlet and socket outlet retaining clips
- Remote Power Monitor & Remote Switching
- Sequential start
- Surge protection and mains filters
- Cable management, identity strips and custom labels
- Custom cables, cable forms and metalwork such as blank 19" panels, etc.

We are also able to offer fully working prototypes for approval.

We can supply products manufactured with UL approved parts for manufacturers to incorporate in their products and obtain UL, CSA or other international approvals.



 **SITE VISIT**

A meeting to discuss your power distribution needs if required

 **DESIGN PROPOSAL**

We can tailor your needs into a custom solution

 **CONSULTATION**

Expert advice and knowledge from nearly 60 years experience

 **UK MANUFACTURE**

All products will be manufactured in the UK and customers are welcome to visit the factory

 **STOCK HOLDING**

Warehouse stock to reduce manufacturing lead times

 **TECHNICAL SUPPORT**

You are dealing direct with the manufacturer every step of the way

**FULLY CUSTOM
UNITS WITH THE
FLEXIBILITY
OF OUR OWN METAL
MACHINE SHOP**



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QUALITY ASSURED



CUSTOM OFFERING



STEEL CONSTRUCTION



QUICK DELIVERY