



The Complete Guide

to the electrical development of your park
18th Edition Compliant

Call 01790 753153 or visit www.cpes.co.uk

Welcome

to Caravan Park Electrical Services Ltd (CPE)

CPE are market leaders in the design, manufacture, supply and installation of electrical distribution systems for the leisure industry

Our design department, offices and production facilities are in the small market town of Spilsby in Lincolnshire where, since 1982, the company has developed and expanded its operation to supply customers throughout the globe.

Our vast experience, built up over many years, gives us a wealth of knowledge to advise you when developing your leisure facility.

CPE provide a range of electrical connection units for park operators developing their pitches to accommodate the increasing demand for electricity.



We offer a flexible approach to suit your needs

You may require one of our services; supply only, design and installation or condition reporting. Whatever your criteria, the CPE team can fulfil.

We listen to you to help you realise your vision

First and foremost, we listen to you and your ideas and get a feel for your vision. We then advise on the most cost-efficient way to achieve your vision.

Our electrical design can then really kick into gear and we will develop a plan and advise on a range of products to suit from our ever increasing portfolio.

CPE International

We have built up a network of distributors to service the leisure industry in Europe and further afield. Our overseas partners regularly exhibit at international trade shows, supported by us to promote our established product and introduce new products from our design team. This is a two way street and we too have brought concepts and ideas first created in the European leisure industry into the mainstream here in the UK.



CPE has a policy to comply with the current Environmental Protection Act, other associated statutory legislation and Approved Codes of Practice (ACOP).



CPE are continually improving the firm's environmental performance from setting annual targets, to recycling equipment and redundant items to reduce the consumption of consumables, to the control, use, storage and disposal of hazardous materials in line with the best environmental practices.

Wherever possible, we obtain services, utilities and equipment from environmentally friendly organisations and those who use renewable energy sources. We consult with employees through our Safety Committee on any matters that may affect them related to environmental control.

We focus on the enhancement of customer satisfaction

CPE aim to ensure our products and services always meet the needs of our customers in accordance with contractual requirements.



CPE continually develop and improve our Quality Management System

We have policies and procedures in place to achieve and maintain a consistently high-quality ethic in all work we undertake. We are operating, developing and improving our Quality Management System that has gained BS EN ISO 9001:2008 certification including aspects specific to the design, manufacture, supply and installation of electrical distribution systems.

The CPE team are committed to:

- + Ensuring that customers needs and expectations are determined and fulfilled with the aim of achieving customer satisfaction via communication throughout the organisation.
- + Ensure the availability of resources.
- + Ensure that management reviews the quality objectives and reports on the internal audit results as a means of monitoring and measuring the processes and the effectiveness of the Quality Policy and Quality Management System.

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What We Do

Choose from our wide range of services

Enquiry/ Site Survey

Upon receipt of your enquiry for your new project, our skilled and highly experienced sales engineers will attend site and liaise with you to fully understand your requirements for the electrical element of your project.

While on site we will ascertain and technically survey your existing electrical distribution system.

We can then advise on the best course of action: either utilise your existing supply or negotiate with the DNO for an upgrade.

Design & Quotation

We can offer a bespoke electrical design for your distribution network, to serve your new project which will be fully compliant with the latest electrical regulations.

The quotation provided following the design process will be to your preference and will always incorporate the outlined specifications along with future proofing the system.

We pride ourselves in offering the best upfront advice and having solutions to enable you to reduce costs over the period of a project, be it 1 year or 5 years.

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Upgrades & DNO Consulting

Where new supplies are required, we can take the hassle out of the application process for you. On your behalf, we can deal with all of the complexities of ensuring the local District Network Operator is provided with the correct information from the beginning to provide the most cost effective solution for your park. New supplies and upgrades can be taken care of as part of the package we offer.

CPE will gain all the required information from all parties involved and will undertake a complex calculation and design process utilising professional software, including Trimble ProDesign and AutoCAD, to produce accurate designs which comply to the latest electrical regulations conforming to BS 7671.

Installation Services

CPE employ teams of experienced ground workers who can handle all civils works along with electricians, apprentices and electrical improvers to attend site and carry out complete installations. We can arrange for just the electrical second fix option for the works or the full turn key package to include all on site civils, excavation, cable laying and top quality reinstatement of the existing ground.

We are committed to the health and safety of our employees, customers and all who come into contact with our works. We have been accredited with CHAS and Constructionline which pre-qualifies us in many areas we tender for work in. As a CHAS and Constructionline buyer you can accept proof of competence in health and safety matters.



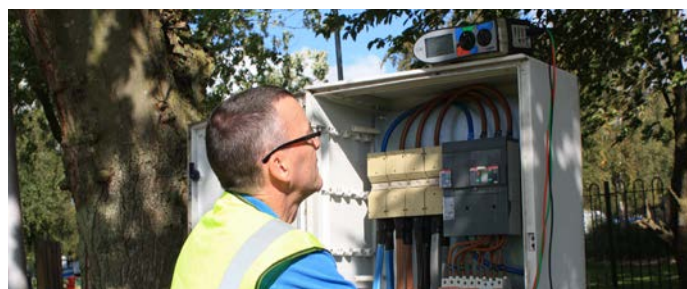
Test & Inspection

CPE offers a national BS 7671 Test & Inspection service to cover all aspects of park testing. The responsibility of ensuring your electrical distribution system complies with relevant regulations rests with you. This responsibility shouldn't be taken lightly and at CPE we have a dedicated department covering all aspects of this to advise on compliance to ensure the safety of you and your customers.

* Our guidance documentation for this is contained in the British Standard BS 7671: 2018 'Requirements for Electrical Installations' as produced by The Institute of Engineering & Technology (IET) and BSI.

Remedial Works / Capital Expenditure

Over time, your parks electrical infrastructure will naturally deteriorate and require updating. Our expert team can assess the work required and provide a complete or phased approach to remedy the problem areas with as little disruption as possible.



You can contact us now



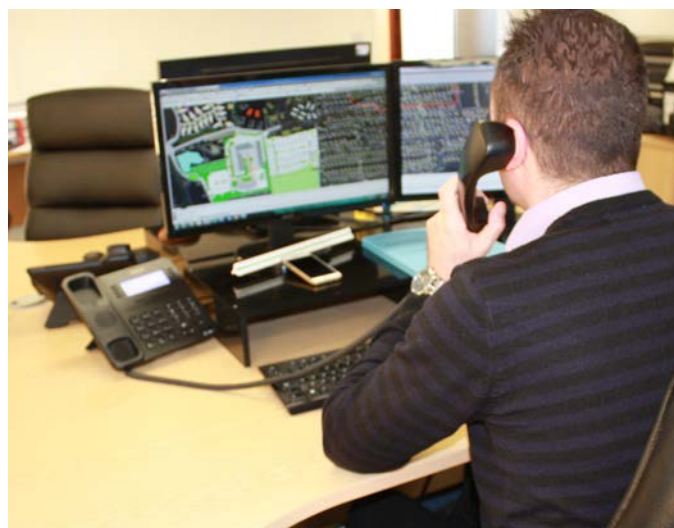
Other Services We Can Arrange

- + Water supplies
- + Hot tub supplies
- + Wi-Fi & internet supplies
- + Digital television supplies
- + Barrier installations
- + Controlled smart access into facilities buildings
- + CCTV solutions
- + EV car charging solutions
- + PV solar power solutions
- + Smart metering options
- + Energy efficiency options
- + LED lighting with automatic control
- + Surge protection
- + En-suite pitch facilities
- + Due diligence reports for procurement of new sites
- + Consultation, advice and design service utilising the latest Trimble Pro Design software

Supply Only & After Sales

Contact one of our CPE sales team for comprehensive advice, to request the most competitive quotations or simply to place your order. We will lead you through the process to ensure the correct product is chosen, manufactured and despatched in a timely manner to your chosen address.

Our dedicated team will be able to assist with any after sales issues and we have an excellent reputation for keeping our customers happy.



Camperclean

Camperclean by CPE is the only fully automated solution for emptying and cleaning toilet cassettes

Emptying the cassette on a touring caravan, most people agree, is their least favourite job of the whole 'caravanning experience'. Once a customer has used this cleaning station, they will not want to go back to emptying their cassette at a standard waste point. Camperclean by CPE is the only fully automated solution for emptying and cleaning toilet cassettes. So how does it work?

1) The customer inserts their payment and selects the cassette type

2) Press the start button - the roller door opens and the green LED flashes

3) Turn the knob on the cassette and insert the cassette into the machine until the green LED is permanently lit

4) Press the start button

After the cleaning process, the door automatically opens and they can remove their cassette.

During the cleaning process the waste matter within the cassette is vacuum extracted and the inside is cleaned with jets of pressurised water. After the cleaning process, the cassette is instantly ready to use again and is refreshed with fresh water and a microbiologically based sanitary additive.

All in approximately 3 minutes.....

- +** No Mess
- +** No Smell
- +** No Blue Hands



Visit www.camperclean.co



Insert coins



Select cassette type & press start



Turn the knob on your cassette



Insert cassette & press start

EV Charging

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Solutions for electric vehicles

With the growth in electric vehicles on the roads there is an increasing requirement to provide the charging facility on holiday parks. Single phase and three phase options are available with a range of payment options.



Security

Barriers & CCTV

Security and safety is of prime importance to you and your customers. Dedicated supplies can be built into our design to allow for this at strategic points around your park.



Solar Energy

Green energy generation

We can advise on all aspects of Commercial Solar Systems. In general, no planning application is required but it is advisable to check with your local authority before you proceed.



Connection Units

Our range of connection units provide the link between your underground electric cable and the home it will supply and offers far more than just a box with a connection point. Electric, data, TV, lighting & EV supplies can all be incorporated into the connection unit along with a host of metering options.

As standard, a one part brass gland plate is fitted, tell us if you require the cable entry holes drilling through the enclosure. As standard, two din rail terminals are fitted to connect your armoured cable supply into. If you require an earth terminal fitting, tell us, we'll fit it. Switchgear is populated to your specified rating and supplies to the homes can either be via socket outlets or direct connections, you choose. Customer reset flaps and viewing windows are fitted for ease of switchgear reset and for taking meter readings.

SS2F 16A/32A

1 Way Credit Metered Unit with Socket

H: 300mm W: 240mm D: 120mm



SS2F Alpha RFID

1 Way Alpha RFID Metered Unit with Socket

H: 300mm W: 240mm D: 120mm



SS2FTVT 16A/32A

1 Way Credit Metered Unit with TV with Socket

H: 300mm W: 380mm D: 120mm



S2 16A

1 Way Credit Metered Lockable Unit with Socket

H: 315mm W: 235mm D: 135mm



R1

1 Way Credit Metered Lockable Unit
Direct Connection

H: 315mm W: 235mm D: 135mm



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RR1F

1 Way Credit Metered Unit Direct Connection

H: 300mm W: 240mm D: 120mm



R8

Multi-Way Metered Unit Direct Connection

H: Various W: Various D: Various



Hot Tub Connection

Connection of hot tub supplies can be catered for within our range of connection units. This is becoming an increasingly popular requirement.



Touring & Glamping

Connection Units

Regulations within the British Standard BS 7671: 2018 'Requirements for Electrical Installations' as produced by The Institute of Engineering & Technology (IET) and BSI allow for up to four socket outlets to be grouped on any one enclosure. This is the maximum and ensures, as far as it practicably possible, any trip hazard due to long and badly routed connection cables from the connection unit to the caravan or motorhome.

CPE produce a varied range of touring connection units with 16A socket outlets and we're also seeing a move to the 32A touring supply connection unit. In many instances, the move to metering touring pitches is accelerating and again, CPE have the solution with a range of options to suit every budget.

A further option is to add illumination over a touring connection unit giving you a warm spread of light in the immediate vicinity of the enclosure and photocell control comes as standard.

- **As standard, a one part brass gland plate is fitted, tell us if you require the cable entry holes drilling through the enclosure.**
- **As standard, two or three din rail terminals are fitted to connect your armoured cable supply into.**
- **Switchgear is populated to your specified rating up to the maximum rating of the socket outlet servicing the pitch.**
- **Customer reset flaps are fitted for ease of switchgear reset and viewing windows, where necessary, for taking meter readings.**
- **A luminaire can be provided incorporating our ever popular LED clusters. You choose to operate at either 6W or 3W simply by the removal of one of the clusters.**



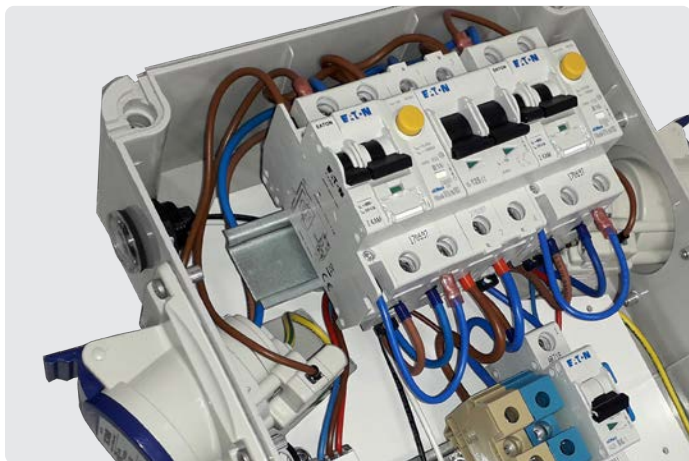
TT2F / 3F/ 4F
2, 3, 4 Way Touring Connection Unit
 H: 300mm W: 220mm D: 120mm



TT2FL / 3FL / 4FL

2, 3, 4 Way Touring Unit with Light

H: 300mm W: 220mm D: 120mm (Excluding light)



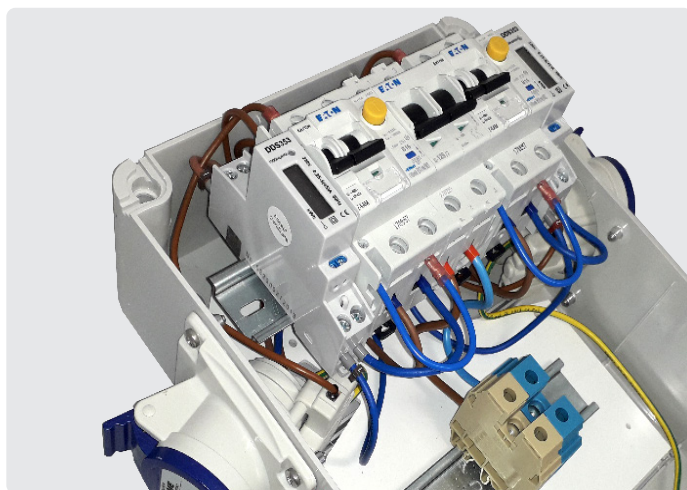
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TT2FMM

2 Way MOD Metered Touring Unit

H: 300mm W: 240mm D: 120mm



TT2FM

2 Way Credit Metered Touring Unit

H: 380mm W: 300mm D: 120mm



Service Bollards

Europa Range

The most popular touring bollard in our range is the Europa offering style, strength and durability in an easy to install and maintain shell. We offer four frame sizes in the Europa range with the size 3 being the most common for touring pitch supplies. Sizes 1 and 2 are mainly used as complimentary lighting posts and service point bollards and size 4 are used for manufacturing complimentary distribution units.

The standard colours available in this material are ivory, blue, green and black. Further colours can be offered in alternative materials including Golden Oak and Silver Gloss. The complete design and manufacturing process is carried out in-house.

The Europa bollard range has been tested to BS EN 60592: 1992 by the British Standards Institute Environmental Laboratory and achieved IP65 compliance against dust and water ingress. Services including electric (metered or un-metered), water, TV and data can be catered for within the bollard. Illumination is provided by 3W LED, with a 7W LED upgrade option available.

Europa Bollard

H: 1147mm W: 300mm D: 300mm



Multi-service bollards offered in a wide range of colour options.



Motor Vehicle Waste Point & Service Point

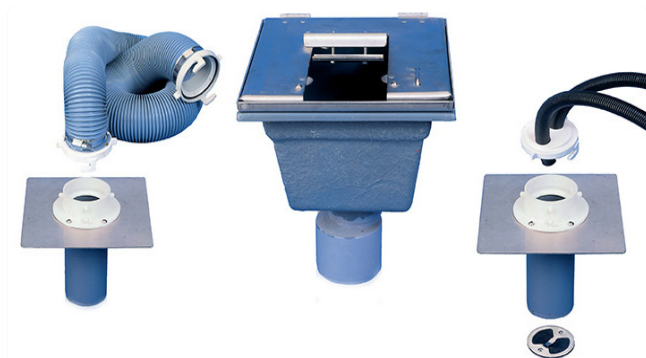
Motor Vehicle Waste Point and Service Point bollards are available in two heights, either 1147mm or 1297mm and can be used with our frog and gully but with a composite grate over the gully if required.



Frogs / Gullies / Ground Sewer Connection Point

Our mounting frogs, gullies and ground sewer connection point are all manufactured in-house and designed to be concreted into the ground for bollard attachment and for grey waste disposal.

Ground Sewer Connection Point



Mounting Frog



Twin or Single Gully with Frog



Metering

A Wide Range of Options

The ongoing rise in energy costs means it is of paramount importance to ensure your customers act responsibly and avoid unnecessary utility waste. Without metering, your customers will not have the same level of awareness or responsibility towards their electricity consumption, and there is no direct correlation between what they consume and what they pay for.

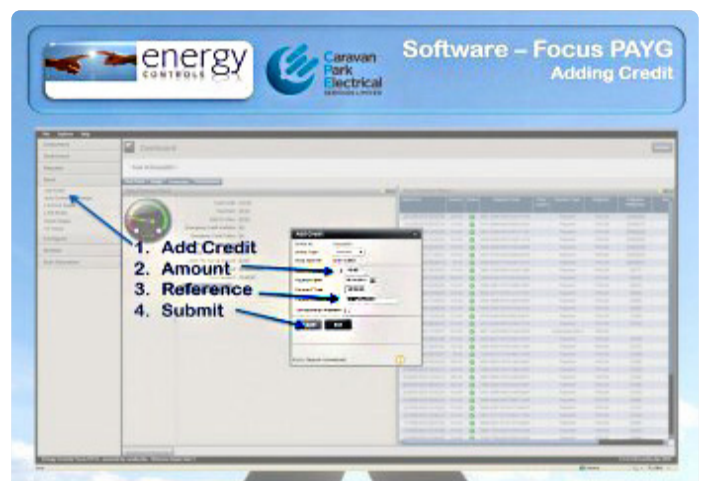
Put a meter in place and immediately the consumers are as aware of their consumption in their lodge or caravan as they are when they are sat in their lounge at home. Delivering metered recording of electricity consumption to your pitches is just a part of what we do, and we can advise and introduce you to a variety of ways of achieving this.

Single phase credit meters record the individual consumption from a touring caravan, holiday home or lodge. These are all modular and can be retrofitted, in many instances, into your existing connection units. We can install multifunction energy monitoring and analysis panel meters. These measure and display the characteristics of single phase two wire, three phase three wire and three phase four wire supplies, including voltage, frequency, current, power and active and reactive energy and more.



The Alpha RFID card meter is fast becoming the recognised solution for charging for electricity on an 'up-front' basis with its re-usable cards and 'easy to use' software.

SMART Metering solutions give you ultimate control of your utilities and can offer 24/7 on-line account status and usage information and a 24/7 payment facility. Talk to us for further information.



Bespoke Designs

Power distribution panels are manufactured to specific project requirements from small single phase wall mounted consumer units through to floor standing sheet steel enclosures with accessories such as cableway side pods with doors, surge protection devices and panel meters.

Our flexibility means we can manufacture and supply the product designed specifically with your park in mind rather than an 'off the shelf' panel which is possibly not suitable or compatible with your future expansion plans. Power expectations and space limitations are always taken into consideration and we manufacture panels in either glass reinforced polyester, powder coated steel or stainless steel.



Utility Housings



Splitter Unit



We can supply specialist utility cabinets which are secure and durable in a variety of sizes with either single or double doors. Manufactured from glass reinforced polyester, they are available in a variety of colours with white resin internal finish and a high quality locking system and stainless steel hinges.



Distribution Unit



Lighting

High Level

We have carefully selected a range of high level lighting luminaires to add a pleasing aesthetic look to your development. Whether you require a traditional look to your lighting head or you prefer the ultra-modern urban look, our lighting range is designed to offer you quality, reliability and longevity.

We have columns and fittings that are of resin construction giving a lifetime guarantee against corrosion and with high UV stability.

Alternatively, galvanised steel columns and globes with a capped sphere to virtually eliminate upward light pollution. Galvanised columns can also accept WI-FI antennas if required. For easier access to fittings, columns can be retrofitted or supplied with a hinge.

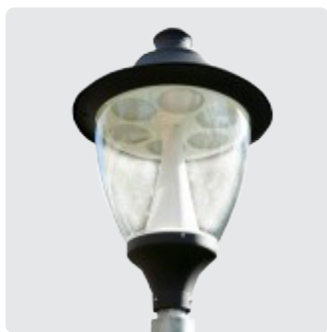
We can also offer spill shields designed to deflect the back spill of light primarily over neighbouring houses and urban environments.

All high level lighting is supplied with LED lamps as standard. Photocells can also be fitted if required.

SP EnviroGlobe



G400



B50



T50



E400



Lighting

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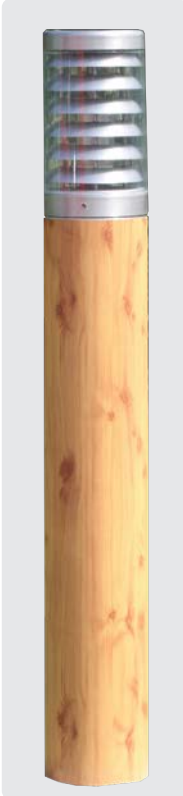
Low Level & Amenity

If you want discreet and functional lighting to enhance driveways, paths, signage or areas of planting and landscaping we have a range to suit all tastes. As with all our lighting, LED is the preferred light source. Wooden posts offer a traditional look with either 360 degree or directional lighting. Resin posts with alternative LED lamps available.

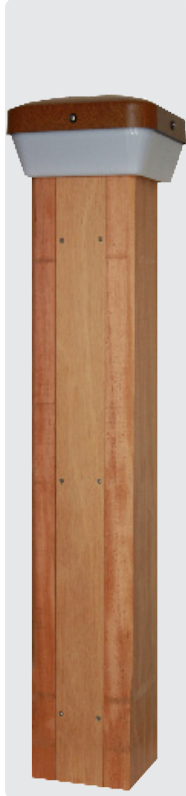
County



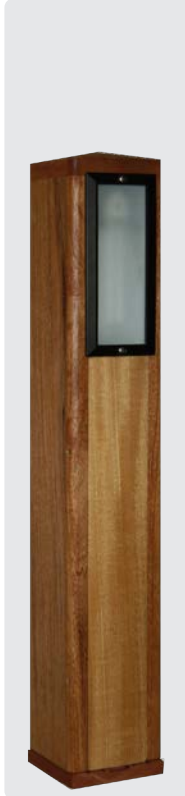
Titano



Woodland 360

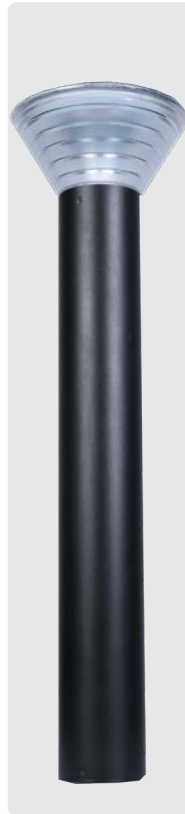


Woodland 800



Decorative lighting which is easy on the eye to enhance the look and appeal of a water feature and sign lighting to advertise your park or club house. CPE also offer a wide range of bulkheads and floor mounted uplighters.

Astral Solar 1



S1100



Lincoln



Deco



Bulkhead



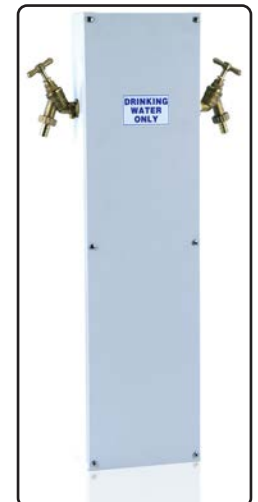
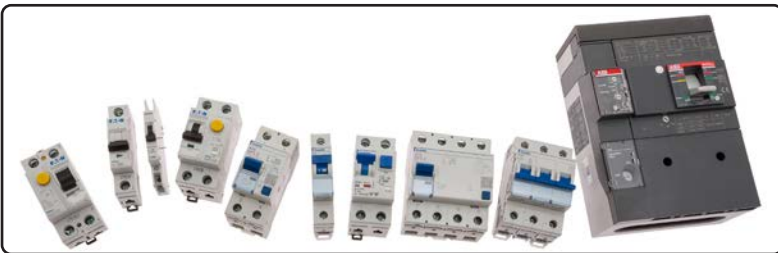
Astral Solar 2

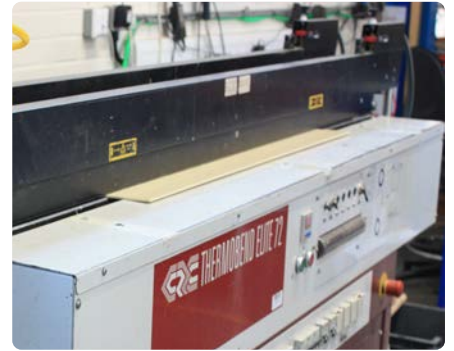
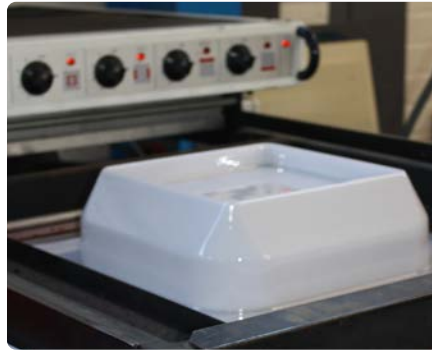


Accessories

A Selection

Take a look at our range of accessories . We only show a small selection here but have a vast stock level at our disposal, ensuring we supply the correct product to you in a timely manner.







You can contact us now



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