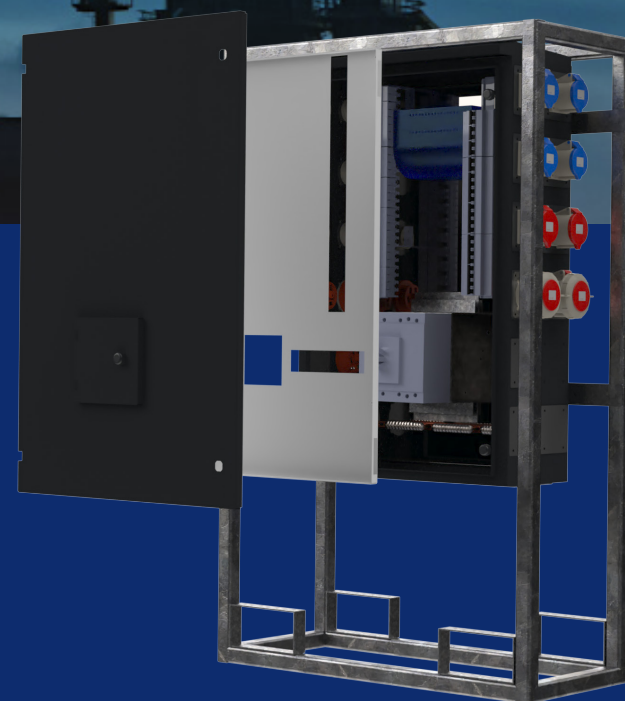





Temporary Power Distribution
www.idesystems.co.uk

Site Distribution Boards

Our site power distribution equipment is designed to withstand the tough conditions of construction sites and is used to supply temporary power to site cabins, heaters, lighting, tools and plant equipment.





Your partners in Temporary Power Distribution.

IDE can help you with every aspect of your operation's requirements, from selecting and delivering the right products for your project, to helping you plan ahead.

Why choose IDE Site Distribution Boards?

Our Site Distribution boards are 100% configurable to suit your project needs, and to ensure longevity our boards are made out of steel to withstand tough on-site conditions. For different projects the board can be reconfigured, with easy breaker and socket changes. Our board is an asset that can be re-used and re-configured as needed.

Our design complies with BS 7375:2010 legislation which includes the requirement for separate lockable access to outgoing breakers and main breaker. Built in house under ISO9000 quality systems at our manufacturing centre, where we also offer annual testing and spare parts.



- 100% configurable board
- Stainless Steel enclosure
- Adaptor Plates to change outgoing ways
- Lockable incoming breaker door.
BS 7375:2010: - Distribution of Electricity on Construction & Demolition Sites – Code Of Practice.
- Hard wired, fly lead or panel mount incomer
- Forklift pockets
- Galvanised crash frame

Material

We offer 3 materials for cabinets:

- > Mild steel, ideal for both indoor & outdoor use
- > Zintec is a zinc treated mild steel alloy, ideal for outside use
- > CR12 is a low grade stainless steel ideal for harsh environment (such as coastal sites)

All cabinets are made from 2mm thick material that is both folded, welded, powder coated or painted to your specific RAL code.

For a low carbon future

Our experienced design team have taken on the challenge to help reduce carbon emissions by creating new temporary power products using smart technology. We are investing in new products and technology for a low carbon future.



We're on your side

IDE has over 25 years' experience in designing power distribution solutions. With direct access to our skilled engineers, we can help you understand and specify solutions for any event.



Quality and safety assured

Every time any of our products leave our rental depot or manufacturing base, we test operation and safety. This includes EVERY socket, EVERY breaker, EVERY cable connection to ensure the highest reliability.



Long-term partnership

We can help you plan ahead, ensuring you get the best from your temporary power distribution set-up and our expert services. We can also manage your complete distribution fleet, or provide one stop rental management.



Our Site Distribution Boards.

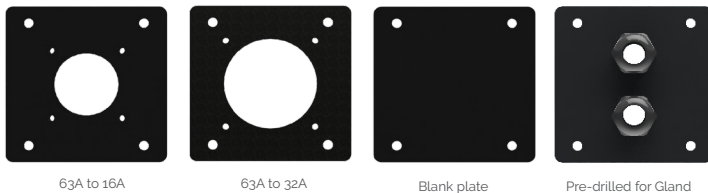
Designing your site distribution board:

Our power pyramid helps build your site distribution board with 6 easy steps. Choose your elements and our highly skilled UK based in house manufacturing team can create a bespoke site distribution board for your project needs.

You can also add smart power monitoring and power control to your board which enables you to monitor power usage onsite and set a load shedding schedule to save energy. The live data is sent straight to your desktop and enables you to make strategic decisions on how to lower your carbon emissions onsite.

Adaptor Plates

IDE offer a range of 'adaptor plates' that can be used in conjunction with the cabinet to change socket outgoing ways. Adaptor plates will enable the user to adapt to 32A & 16A sockets.



Site Power Distribution Board in 6 easy steps.

6. Power monitoring requirement

Local
Or
Web based

5. Frame type and material

Crash Frame | Legs
Mild Steel | CR12

4. Choose Outgoing ways and protection

16A 1 or 3Phase
32A 1 or 3Phase
63A 1 or 3Phase
125A 1 or 3Phase

ELR fitted - option.
MCB/RCD/RCBO

3. Cabinet configuration

Up to 24 outgoing sockets

2. Choose Incomer
type and connection

ELR fitted - option.
Panel Inlet | Hardwired | Flylead

1. Choose Incomer

63A to 400A
MCB/MCCB

Typical cabin setup

Below we have some examples of typical cabin setups within a construction site.

Number of Cabins.	SD Board Required	Erica Pg 6	EV Chargers Pg 7
2-4 Cabin Setup	SD Compact	Yes	Yes
4-8 Cabin setup	SD Standard	Yes	Yes
8-12 Cabin Setup	SD Plus	Yes	Yes

What is meant by 'Mod'?

Internal DIN rails support a number of 'Mod' which defines the total number of sockets available based on size and phases. The table below shows the number of Mod used depending on the type of breaker required.

	1 Phase + N	3 Phase + N
16-32A MCB or RCBO	2 Mod	4Mod
63A MCB	2 Mod	4Mod
63A MCB-RCD	4 Mod	8 Mod
125A MCB	3 Mod	5 Mod
125A MCB-ELR	11 Mod	13 Mod

All cabinets are manufactured to an IP55 rating.

IP55

Water jets. Water projected by a nozzle (6.3mm) against enclosure from any direction shall have no harmful effects. Dust Protected Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment; complete protection against contact..

Typical Site Distribution Board Configurations.

SD Compact Range

Size (mm):	H1220 x W660 x D400
Weight (kg):	50kg
Total sockets available:	10
Max Mod:	40
Incoming Breaker:	63A - 125A



SD Standard Range

Size (mm):	H1450 x W900 x D400
Weight (kg):	115kg
Total sockets available:	20
Max Mod:	40
Incoming Breaker:	125A - 250A



SD Plus Range

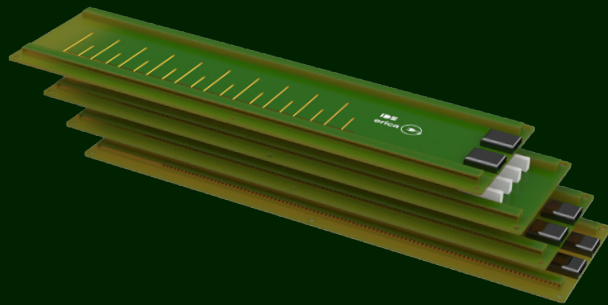
Size (mm):	H1450 x W900 x D400
Weight (kg):	125kg
Total sockets available:	24
Max Mod:	56
Incoming Breaker:	250A - 400A



ADD ON






Energy Management and Control System.



Identify areas where power can be reduced using smart technology.

erica energy management tool plays an important role in designing cost effective and low carbon solutions for temporary power installations.

Key Features.

- 2in1** Power Distribution board containing the Erica module, no additional equipment required.
-  Cloud Based Solution.
-  Capability to turn power on and off using the online dashboard.
-  Live data monitoring.
-  Different profiles and labels for each connection.
-  Connection via WIFI or 4G.
-  Pre-set power controls.
-  User-friendly dashboard.



ADD ON

IDEV

Temporary Electric Vehicle Charging Solutions.



The Future is IDEV.

Our range of temporary EV chargers are suitable for charging at remote locations such as, construction sites and festivals.

Key Features.



Set up in minutes.



Easy to deploy, transport and store.



Simple plug and play design.



Portable and free standing.



Charge up to 2 x electric vehicles at the same time.



Dynamic load sharing - group of chargers set to a maximum kW.



EV charger units include a cloud-based billing and operating system. Charging sessions are managed via a mobile APP (iOS & Android).



Cables

IDE cables are designed to connect the temporary power network from the generator to the end user.

We can supply a range of multi-core and single-core cable to support your temporary power projects.

Single Core Cables

Our premium single-core HO7RN-F cables can be terminated with lugs or powerlocks. Available to purchase or hire and can be turned around quickly to support your project. Size ranges from 5 - 50 metres. Price available upon request.

Lugg Ends

Single-core HO7RN-F cable terminated with lugged ends (M12 & M16) to make connections to standby or permanent generators.



120mm size cable
150mm size cable
240mm size cable

PowerLock

Single-core HO7RN-F cable terminated with powerlock ends (source and drain) to make connections to standby or permanent generators.



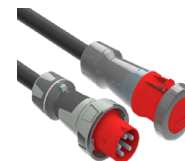
120mm size cable
150mm size cable
240mm size cable

Multi Core Cables

Our plug and play HO7RN-F multi-core cable are regularly used to connect the temporary power network from the generator directly to the end user. Rubber flex and IP rated our HO7RN-F cable is easy to move across site and is terminated with a Mennekes plug and coupler.



16A Single Phase Cable
32A Single Phase Cable
63A Single Phase Cable



16A Three Phase Cable
32A Three Phase Cable
63A Three Phase Cable
125A Three Phase Cable

Cable Ramps

IDE's 5 channel cable ramps are manufactured from UV stabilised and halogen free polyurethane. Designed for low volume vehicular traffic and all pedestrian areas, indoor or external applications between -40°C and +49°C. Interlocking compatible with Linebacker models.



Maximum load
per axle 9140Kg
@ 20°C

Heavy Duty

Dimensions: H: 46 x W: 502 x L: 910 (mm)



Maximum load
per axle 4763 Kg
@ 20°C

Light Duty

Dimensions: H: 50 x W: 445 x L: 910 (mm)

Accessories.

Product name	Description	Order code
16/1 panel mount socket	16A 230V 3 Pole IP44 Blue 62 x 62 Panel-Socket	1363
16/3 panel mount socket	16A 400V 5 Pole IP44 Red 75 x 75 Panel-Socket	1385
32a/1 Panel Mount Socket	32A 230V 3 Pole IP44 Blue 75 x 75 Panel-Socket	1395
32a/3 Panel Mount Socket	32A 400V 5 Pole IP44 Red 75x75mm Panel-Socket	3451
63a/1Panel Mount Socket	63A 230V 3 Pole IP67 Blue 100 x 107 Panel-Socket	1264A
63a/3 Panel Mount Socket	63A 400V 5 Pole IP67 Red 100 x 107 Panel-Socket	1128A
All SD blanking plates	Socket Outlet Blank Plate - 108mm Square RAL 7021 GREY	SD-1-BSP
16/1 RCBO	DS201 C16 A30 RCBO 2 pole 30mA - 16a	2CSR255180R1164
16/3 RCBO	16A-C 30mA 4 Pole (3+N) Type A RCBO	2CSR256140R1164
32/1 RCBO	DS201 C32 A30 RCBO 2 pole 30mA - 32a	2CSR255180R1324
32/3 RCBO	32A-C 30mA 4 Pole (3+N) Type A RCBO	2CSR256140R1324
63/1 RCD	63A 100mA 4 Pole Type A RCD - F204 A-63/0.1	2CSF204101R2630
63/3 RCD	63A 100mA 4 Pole Type A RCD - F204 A-63/0.1	2CSF204101R2630

Speak to an IDE Adviser.

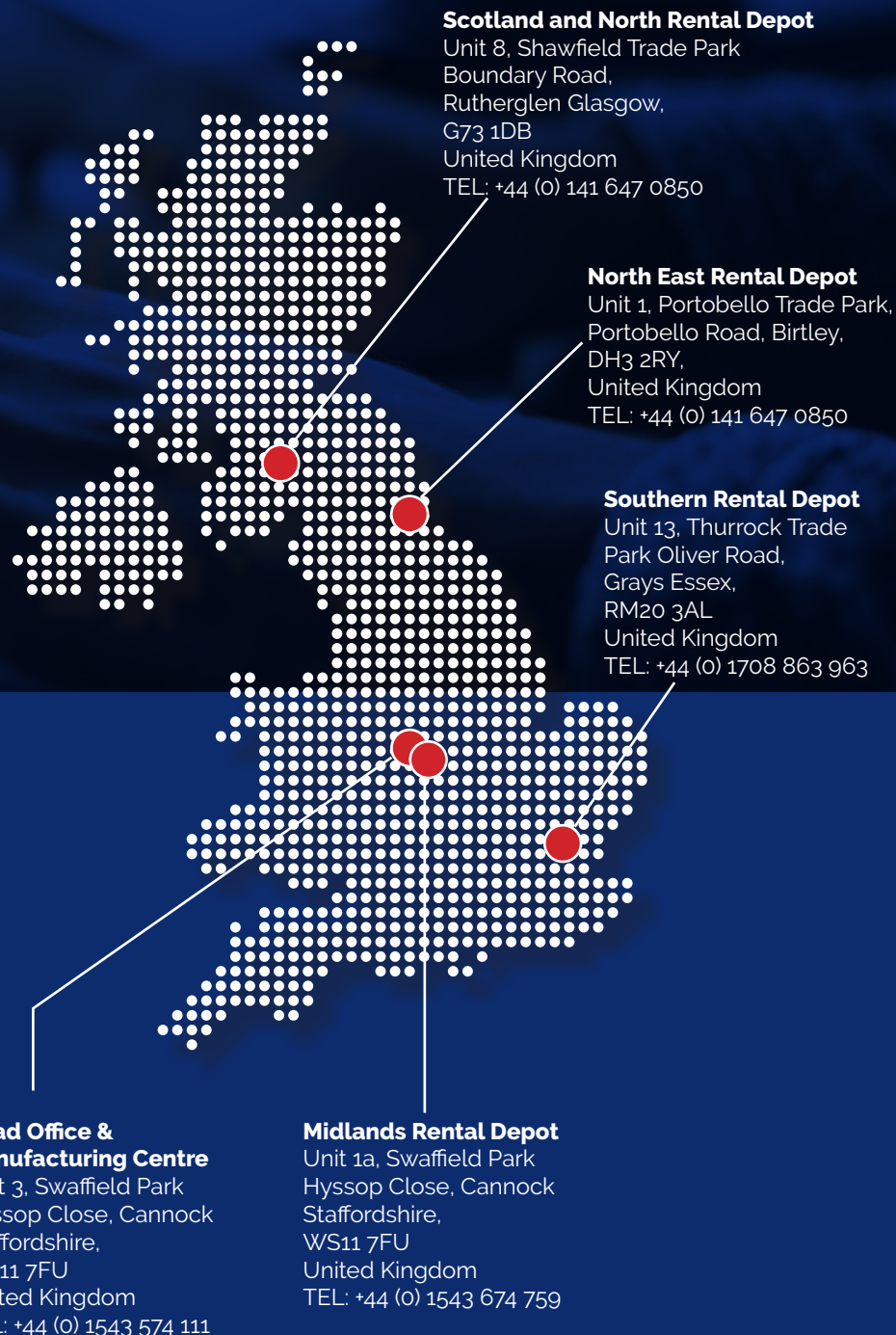
Contact us today to see how we can help with your project.

Call us:
01543 574 111
Option 1 for sales
Option 2 for rental.

Send us an email:
General enquiries: enquiries@idesystems.co.uk
Sales: sales@idesystems.co.uk
Rental: rental@idesystems.co.uk

Visit our website:
www.idesystems.co.uk, where you can view all products and services.

Get Social:
Follow our page on LinkedIn: [ide.systems](https://www.linkedin.com/company/ide-systems)



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

