

Bring it on<sup>®</sup>

# 2020 Rental Catalogue

Everything you need to plan your temporary power distribution network



Temporary Power Distribution

# How can we help?

IDE is an integrated temporary power distribution provider with a widely recognised name in the design and manufacture of industry leading products. IDE's rental centres provide a full range of power distribution equipment.

*Serving an international customer base, our UK Rental Centres in the South East, Midlands and Scotland, supported by our Manufacturing Centre in the Midlands, are ready to meet all your temporary power distribution requirements.*



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# Great service, just when you need it



## Your trusted advisor

When it comes to meeting and managing your temporary power distribution needs, IDE can help you with every aspect of your operation's requirements, from selecting and delivering the right product for your project, to helping you plan ahead.

We offer an unrivalled service. Specialising in combined sales, rental, design and manufacturing, IDE can work in partnership with you to make the very most of your power distribution assets.

## Rental vs purchase

As a business we can advise on important decisions – not only about how you source equipment, but on managing your budgets more efficiently as well.

We can help you find the right balance between renting and purchasing equipment, taking into account any unique concerns you have about capital and operational expenditure. We can help you plan ahead, and futureproof your procurement needs, by ensuring you get the best from IDE's services.

## Products for every need

- Event Power Distribution
- Cables
- High Power Distribution
- Site Power Distribution
- Changeover Panels
- Inline Protection
- Electrical Accessories
- EV Charging
- Smart Power



### SAFETY FIRST

Throughout this brochure, icons are used to indicate our recommended lift requirements.\*



#### FORKLIFT:

Any product over 60kg which has forklifting pockets



#### TWO PERSON LIFT

26kg-60kg



#### ONE PERSON LIFT

Up to 25kg

\*Please note that any equipment without forklift pockets which is heavier than the recommended two person lift we recommend to use another body or seek alternative methods of lifting.

# Event Power Distribution

Our event power distribution is designed to cater for all event requirements – supporting generators, entertainment stages, PA systems, lighting, audio visual equipment and refreshment areas.

 **DESIGNED & MANUFACTURED IN THE UK**

- Plug and play ✓
- Relocatable ✓
- IP Rated ✓
- Protection on individual sockets ✓

Ranging from 16A-400A, our event power distribution boards are manufactured from High Density Polyethylene, which means that they are robust and durable enough to stand up to the elements. All of our event power distribution equipment is plug and play, which means that it can be easily connected to the temporary power network and used on other applications too.

INCOMER	DISTRIBUTION UNIT	SOCKET OUTLETS				
		125A 3 PHASE OUT	63A 3 PHASE OUT	63A 1 PHASE OUT	32A 3 PHASE OUT	16A 1 PHASE OUT
400A 3 PHASE IN	MD402	X3	X3	X3	X3	X2
	MD405		X6			
	MD406	X2	X4			
	MD407	X2				
	MD408	X4	X2			

## MD402

- Incomer** 400A Powerlocks 3Φ
- Outgoing** 400A Powerlocks (Through), 3 x 125A 3Φ, 3 x 63A 3Φ, 3 x 63A 1Φ, 3 x 32A 3Φ, 2 x 16A 1Φ
- Circuit Protection** 400A 4P MCCB, 3 x 125A 4P MCCB c/w Adjustable/Switchable Earth Leakage, 3 x 63A 4P MCB & 100mA RCD, 3 x 63A 2P MCB & 100mA RCD, 3 x 32A 4P 30mA RCBO, 2 x 16A 2P 30mA RCBO
- Recommended Lift** 110kg
- Dimensions** H:1392 W:612 D:495mm



## MD405

- Incomer** 400A Powerlocks 3Φ
- Outgoing** 6 x 63A 3Φ
- Circuit Protection** 400A 4P MCCB, 6 x 63A 4P MCB c/w Adjustable/Switchable Earth Leakage
- Recommended Lift** 68kg
- Dimensions** H:750 W:550 D:495mm



## MD406

- Incomer** 400A Powerlocks 3Φ
- Outgoing** 400A Powerlocks (Through), 2 x 125A 3Φ, 4 x 63A 3Φ
- Circuit Protection** 400A 4P MCCB, 2 x 125A 4P MCCB c/w Adjustable/Switchable Earth Leakage, 4 x 63A 4P MCB & 100mA RCD
- Recommended Lift** 100kg
- Dimensions** H:1092 W:612 D:495mm



## MD407

- Incomer** 400A Powerlocks 3Φ
- Outgoing** 2 x 125A 3Φ
- Circuit Protection** 2 x 125A 4P MCCB c/w Adjustable/Switchable Earth Leakage
- Recommended Lift** 45kg
- Dimensions** H:450 W:550 D:495mm



## MD408

- Incomer** 400A Powerlocks 3Φ
- Outgoing** 400A Powerlocks (Through), 4 x 125A 3Φ, 2 x 63A 3Φ
- Circuit Protection** 400A 4P MCCB, 4 x 125A 4P MCCB c/w Adjustable/Switchable Earth Leakage, 2 x 63A 4P MCB & 100mA RCD
- Recommended Lift** 105kg
- Dimensions** H:1092 W:612 D:495mm



### READY TO HIRE FROM OUR 3 RENTAL CENTRES

- North: +44 (0) 141 647 0850
- Midlands: +44 (0) 1543 674 759
- South: +44 (0) 1708 863 963

- Plug and play
- Relocatable
- IP Rated
- Protection on individual sockets

INCOMER	DISTRIBUTION UNIT	SOCKET OUTLETS				
		63A 3 PHASE OUT	63A 1 PHASE OUT	32A 3 PHASE OUT	32A 1 PHASE OUT	16A 1 PHASE OUT
125A 3 PHASE IN	MD1	x3	x6			
	MD3 (Both)	x3				
	MD5				x6	x18
	MD10	x3	x3		x3	x3
	MD28	x3		x3		
	MD30	x2		x2	x3	x9
	MD32	x1		x2	x12	x6
	MD35			x6		

## MD1

- Incomer** 125A 3Φ
- Outgoing** 3 x 63A 3Φ, 6 x 63A 1Φ
- Circuit Protection** 1 x 125A 4P MCCB, 3 x 63A 4P MCB & 100mA RCD, 6 x 63A 2P MCB & 100mA RCD
- Recommended Lift** 38kg
- Dimensions** H:600 W:550 D:495mm



## MD3

- Incomer** 125A 3Φ
- Outgoing** 3 x 63A 3Φ
- Circuit Protection** 3 x 63A 4P MCB
- Recommended Lift** 19kg
- Dimensions** H:300 W:550 D:495mm



## MD3 Spider

- Incomer** 125A 3Φ
- Outgoing** 3 x 63A 3Φ
- Circuit Protection** 3 x 63A 4P MCB
- Recommended Lift** 15kg
- Dimensions** H:350 W:450 D:400mm



NEW

## MD5

- Incomer** 125A 3Φ
- Outgoing** 6 x 32A 1Φ, 18 x 16A 1Φ
- Circuit Protection** 125A 4P MCCB, 6 x 32A 2P 30mA RCBO, 18 x 16A 2P 30mA RCBO
- Recommended Lift** 36kg
- Dimensions** H:600 W:550 D:495mm



## MD10

- Incomer** 125A 3Φ
- Outgoing** 3 x 63A 3Φ, 3 x 63A 1Φ, 3 x 32A 1Φ, 3 x 16A 1Φ
- Circuit Protection** 1 x 125A 4P MCCB, 3 x 63A 4P MCB & 100mA RCD, 3 x 63A 2P MCB & 100mA RCD, 3 x 32A 2P 30mA RCBO, 3 x 16A 2P 30mA RCBO
- Recommended Lift** 45kg
- Dimensions** H:600 W:550 D:495mm



## MD28

- Incomer** 125A 3Φ
- Outgoing** 3 x 63A 3Φ, 3 x 32A 3Φ
- Circuit Protection** 125A 4P MCCB, 3 x 63A 4P MCB, 3 x 32A 4P 30mA RCBO
- Recommended Lift** 30kg
- Dimensions** H:450 W:550 D:495mm




## MD30

- Incomer** 125A 3Φ
- Outgoing** 2 x 63A 3Φ, 2 x 32A 3Φ, 3 x 32A 1Φ, 9 x 16A 1Φ
- Circuit Protection** 125A 4P MCCB, 2 x 63A 4P MCB c/w Adjustable Earth Leakage, 2 x 32A 4P MCB c/w Adjustable Earth Leakage, 3 x 32A 2P 30mA RCBO, 9 x 16A 2P 30mA RCBO
- Recommended Lift** 48kg
- Dimensions** H:750 W:550 D:495mm




CABLE AVAILABLE FROM 16A-125A.  
SEE PAGE 17 FOR MORE INFORMATION

## MD32

<b>Incomer</b>	125A 3Φ
<b>Outgoing</b>	63A 3Φ, 2 x 32A 3Φ, 12 x 32A 1Φ, 6 x 16A 1Φ
<b>Circuit Protection</b>	125A 4P MCCB, 63A 4P MCB, 2 x 32A 4P 30mA RCBO, 12 x 32A 2P 30mA RCBO, 6 x 16A 2P 30mA RCBO
<b>Recommended Lift</b>	41kg 
<b>Dimensions</b>	H:600 W:550 D:495mm



## MD35

<b>Incomer</b>	125A 3Φ
<b>Outgoing</b>	6 x 32A 3Φ
<b>Circuit Protection</b>	125A 4P MCCB, 6 x 32A 4P 30mA RCBO
<b>Recommended Lift</b>	30kg 
<b>Dimensions</b>	H:450 W:550 D:495mm



### KNOW YOUR BREAKERS


**MCB (Miniature Circuit Breaker)** Often used in smaller power applications where the voltage does not exceed 400V


**MCCB (Moulded Case Circuit Breaker)** Often used in larger power applications for use up to 690V


**RCBO (Residual Current Circuit Breaker with Overload)** is an RCD/RCCB with overload protection


**ELR (Earth Leakage Relay)** is a device that, combined with a CT (Current Transformer) detects current differential between phase and neutral. Ultimately determining earth leakage used with a Shunt can operate a MCB or a MCCB (to the off position)



Plug and play 


Relocatable 

IP Rated 

Protection on individual sockets 


INCOMER	DISTRIBUTION UNIT	SOCKET OUTLETS					
		63A 3 PHASE OUT	63A 1 PHASE OUT	32A 3 PHASE OUT	32A 1 PHASE OUT	16A 3 PHASE OUT	16A 1 PHASE OUT
63A 3 PHASE IN	MD2	x1			x6		x12
	MD6	x1		x2			
	MD7	x1		x4			
	MD31	x1		x2	x3		x9
	MD38			x2	x6		x3
	MD40					x6	
	MD41		x3				
	MD50			x3		x3	
	MD52	x1		x1	x3		x12
	MD63	x1		x3	x6		x6
MD74	x1		x2	x6		x6	

## MD2

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	1 x 63A 3Φ (Through), 6 x 32A 1Φ, 12 x 16A 1Φ
<b>Circuit Protection</b>	1 x 63A 4P MCB, 6 x 32A 2P 30mA RCBO, 12 x 16A 2P 30mA RCBO
<b>Recommended Lift</b>	32kg 
<b>Dimensions</b>	H:600 W:550 D:495mm




## MD6

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	1 x 63A 3Φ (Through), 2 x 32A 3Φ
<b>Circuit Protection</b>	2 x 32A 4P MCB
<b>Recommended Lift</b>	12kg 
<b>Dimensions</b>	H:350 W:450 D:400mm




## MD7

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	1 x 63A 3Φ (Through), 4 x 32A 3Φ
<b>Circuit Protection</b>	1 x 63A 4P MCB, 4 x 32A 4P 30mA RCBO
<b>Recommended Lift</b>	27kg 
<b>Dimensions</b>	H:450 W:550 D:495mm




## MD31

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	63A 3Φ (Through) 2 x 32A 3Φ, 3 x 32A 1Φ, 9 x 16A 1Φ
<b>Circuit Protection</b>	63A 4P MCB, 2 x 32A 4P MCB c/w Adjustable Earth Leakage, 3 x 32A 2P 30mA RCBO, 9 x 16A 2P 30mA RCBO
<b>Recommended Lift</b>	36kg 
<b>Dimensions</b>	H:600 W:550 D:495mm




## MD38

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	2 x 32A 3Φ, 6 x 32A 1Φ, 3 x 16A 1Φ
<b>Circuit Protection</b>	2 x 32A 4P 30mA RCBO 6 x 32A 2P 30mA RCBO 3 x 16A 2P 30mA RCBO
<b>Recommended Lift</b>	27kg 
<b>Dimensions</b>	H:450 W:550 D:495mm




## MD40

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	6 x 16A 3Φ
<b>Circuit Protection</b>	1 x 63A 4P MCB, 6 x 16A 4P 30mA RCBO
<b>Recommended Lift</b>	27kg 
<b>Dimensions</b>	H:450 W:550 D:495mm




## MD41 Spider

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	3 x 63A 1Φ
<b>Circuit Protection</b>	1 x 63A 4P MCB, 3 x 63A 2P MCB
<b>Recommended Lift</b>	17kg 
<b>Dimensions</b>	H:350 W:450 D:400mm




NEW

## MD50

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	3 x 16A 3Φ, 3 x 32A 3Φ
<b>Circuit Protection</b>	3 x 16A 4P 30mA RCBO, 3 x 32A 4P 30mA RCBO
<b>Recommended Lift</b>	33kg 
<b>Dimensions</b>	H:450 W:550 D:495mm




## MD52

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	63A 3Φ (Through), 1 x 32A 3Φ, 3 x 32A 1Φ, 12 x 16A 1Φ
<b>Circuit Protection</b>	1 x 63A 4P MCB, 1 x 32A 4P 30mA RCBO, 3 x 32A 2P 30mA RCBO, 12 x 16A 2P 30mA RCBO
<b>Recommended Lift</b>	33kg 
<b>Dimensions</b>	H:600 W:550 D:495mm




## MD63

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	1 x 63A 3Φ (through), 3 x 32A 3Φ, 6 x 32A 1Φ, 6 x 16A 1Φ
<b>Circuit Protection</b>	1 x 63A 4P MCB, 3 x 32A 4P 30mA RCBO, 6 x 32A 2P 30mA RCBO, 6 x 16A 2P 30mA RCBO
<b>Recommended Lift</b>	34kg 
<b>Dimensions</b>	H:600 W:550 D:495mm







## MD74

<b>Incomer</b>	63A 3Φ
<b>Outgoing</b>	63A 3Φ (Through), 2 x 32A 3Φ, 6 x 32A 1Φ, 6 x 16A 1Φ
<b>Circuit Protection</b>	1 x 63A 4P MCB, 2 x 32A 4P 30mA RCBO, 6 x 32A 2P 30mA RCBO, 6 x 16A 2P 30mA RCBO
<b>Recommended Lift</b>	28kg 
<b>Dimensions</b>	H: 450 W:550 D:495mm




NEW

## 32A EVENT POWER DISTRIBUTION

Plug and play  Relocatable  IP Rated  Protection on individual sockets 


INCOMER	DISTRIBUTION UNIT	SOCKET OUTLETS				
		32A 3 PHASE OUT	32A 1 PHASE OUT	16A 3 PHASE OUT	16A 1 PHASE OUT	13A 1 PHASE OUT
32A 3 PHASE IN	MD11		x3			
	MD12	x1			x9	
	MD18			x2		
	MD75	x1	x6		x6	
32A 1 PHASE IN	MD42				x4	
	MD17		x1			x12
16A 1 PHASE IN	MD16				x1	x12

### MD11

**Incomer** 32A 3Φ  
**Outgoing** 3 x 32A 1Φ  
**Circuit Protection** 3 x 32A 2P 30mA RCBO  
**Recommended Lift** 10kg   
**Dimensions** H:300 W:400 D:350mm




### MD12

**Incomer** 32A 3Φ  
**Outgoing** 1 x 32A 3Φ (Through), 9 x 16A 1Φ  
**Circuit Protection** 1 x 32A 4P MCB,  
9 x 16A 2P 30mA RCBO  
**Recommended Lift** 12kg   
**Dimensions** H:340 W:400 D:350mm




### MD18

**Incomer** 32A 3Φ  
**Outgoing** 2 x 16A 3Φ  
**Circuit Protection** 2 x 16A 4P 30mA RCBO  
**Recommended Lift** 5kg   
**Dimensions** H:300 W:400 D:350mm




## 32A EVENT POWER DISTRIBUTION

### MD75

**Incomer** 32A 3Φ  
**Outgoing** 1 x 32A 3Φ, 6 x 32A 1Φ, 6 x 16A 1Φ  
**Circuit Protection** 1 x 32A 4P MCB,  
6 x 32A 2P 30mA RCBO,  
6 x 16A 2P 30mA RCBO  
**Recommended Lift** 28kg   
**Dimensions** H: 450 W:550 D:495mm




### MD42 Spider

**Incomer** 32A 1Φ  
**Outgoing** 4 x 16A 1Φ  
**Circuit Protection** 1 x 32A 2P RCBO,  
4 x 16A MCB  
**Recommended Lift** 6kg   
**Dimensions** H:300 W: 400 D:350mm



### MD17

**Incomer** 32A 1Φ  
**Outgoing** 1 x 32A 1Φ, 12 x 13A 230V (BS1363) Socket Outlets  
**Circuit Protection** N/A  
**Recommended Lift** 6kg   
**Dimensions** H:125 W:245 D:550mm



## 16A EVENT POWER DISTRIBUTION

Plug and play  Relocatable  IP Rated  Steel Trolley 

### MD16

**Incomer** 16A 1Φ  
**Outgoing** 1 x 16A 1Φ, 12 x 13A 230V (BS1363) Socket Outlets  
**Circuit Protection** N/A  
**Recommended Lift** 6kg   
**Dimensions** H:125 W:245 D:550mm





# 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.

 **DESIGNED & MANUFACTURED IN THE UK**

## MULTI-CORE CABLES

IDE supply multi-core HO7RN-F double insulated cable, which is flexible and fitted with a plug and coupler at each end – allowing the user to make connections to temporary generators and distribution boards. Our cable is designed to withstand: harsh weather, oils/grease, mechanical/thermal stresses and conforms to BS EN 7919.

### SINGLE PHASE

Amps	Voltage	Length (m)	Cable (mm <sup>2</sup> )	Weight (kgs)	Order code
16	230	5	2.5	1.0	CR1635
		10		2.0	CR16310
		25		5.0	CR16325
		50		10.0	CR16350
32	230	5	6	1.8	CR3235
		10		3.6	CR32310
		25		9.0	CR32325
		50		18.0	CR32350
63	230	5	16	4.8	CR6335
		10		9.6	CR63310
		25		24.0	CR63325
		50		48	CR63350



All IDE cable is tested in-house by our electricians before it goes out on hire.

### THREE PHASE

Amps	Voltage	Length (m)	Cable (mm <sup>2</sup> )	Weight (kgs)	Order code
16	400	5	2.5	1.6	CR1655
		10		3.2	CR16510
		25		8	CR16525
		50		16	CR16550
32	400	5	6	2.9	CR3255
		10		5.8	CR32510
		25		14.0	CR32525
		50		28.0	CR32550
63	400	5	16	7.5	CR6355
		10		15.0	CR63510
		25		36.0	CR63525
		50		72.0	CR63550
125	400	5	35	17.0	CR12555
		10		33.0	CR125510
		25		82.0	CR125525
		50		163.0	CR125550



**Did you know?** As an added value service IDE can test all of you cable and distribution. For more information on our testing packages, please contact [sales@idesystems.co.uk](mailto:sales@idesystems.co.uk)

# CABLES

## SINGLE-CORE CABLES

Our single-core cables are designed to connect to standby generators, temporary and fixed applications. We supply five wire sets of HO7RN-F double insulated cable, which can be terminated with powerlock connections or lugged ends.



### CABLE ENDS EXPLAINED

#### Power lock source

Often referred to as "female" ends, the Power lock source connectors are terminated to the drain end to allow the secure connection of cable to a generator and other electrical supplies.

#### Power lock drain

Often referred to as "male" ends, the Power lock drain connectors are terminated to the source end to allow the secure connection of cable to a generator and other electrical supplies.

#### Lugged ends

Terminated to the ends of cable to allow for a secure connection of cable to generators and other electrical supplies.



## POWERLOCK SOURCE TO LUG

All weights are based on a 5 wire set

Amps	Length (m)	Cable (mm <sup>2</sup> )	Weight (kgs)	Order code
365	3	120	25	PSL1203
425	3	150	32	PSL1503
560	3	240	46	PSL2403

## POWERLOCK DRAIN TO LUG

Amps	Length (m)	Cable (mm <sup>2</sup> )	Weight (kgs)	Order code
365	3	120	25	PDL1203
425	3	150	32	PDL1503
560	3	240	46	PDL2403

## POWERLOCK DRAIN TO SOURCE

Amps	Length (m)	Cable (mm <sup>2</sup> )	Weight (kgs)	Order code
365	5	120	40	PDS1205
	10		80	PDS12010
	25		195	PDS12025
	50		387	PDS12050
425	5	150	49	PDS1505
	10		96	PDS15010
	25		238	PDS15025
	50		475	PDS15050
560	5	240	75	PDS2405
	10		150	PDS24010
	25		369	PDS24025
	50		737	PDS24050

## LUG TO LUG

Amps	Length (m)	Cable (mm <sup>2</sup> )	Weight (kgs)	Order code
250	5	70	25	LL705
	10		50	LL7010
	25		122	LL7025
	50		243	LL7050
365	5	120	39	LL1205
	10		77	LL12010
	25		192	LL12025
	50		385	LL12050
425	5	150	48	LL1505
	10		95	LL15010
	25		237	LL15025
	50		473	LL15050
560	5	240	75	LL2405
	10		147	LL24010
	25		368	LL24025
	50		735	LL24050

# High Power Distribution

Often used to support long term projects, our high power distribution boards are designed to supply temporary power to a wide range of applications. All solutions are manufactured from stainless steel and are easily relocatable across site.

**DESIGNED & MANUFACTURED IN THE UK**

Stainless Steel ✓ Relocatable ✓ IP Rated ✓ ABB Switchgear ✓

## MD630

<b>Incomer</b>	Rated 3P+N+E Terminals
<b>Outgoing</b>	6 x 125A 4P MCCB
<b>Circuit Protection</b>	1 x 630A MCCB, 6 x 125A 4P MCCB c/w Adjustable/Earth Leakage
<b>Recommended Lift</b>	263kg
<b>Dimensions</b>	H:1550 W:1300 D:500mm



## MD1000

<b>Incomer</b>	Rated 3P+N+E Terminals
<b>Outgoing</b>	3 x 400A 4P MCCB
<b>Circuit Protection</b>	3 x 400A 4P MCCB Metered
<b>Recommended Lift</b>	625kg
<b>Dimensions</b>	H:1430 W:2100 D:850mm



## MD1600

<b>Incomer</b>	Rated 3P+N+E Terminals
<b>Outgoing</b>	Fully Configurable Outgoing
<b>Circuit Protection</b>	1600A 4P MCCB, Individual Adjustable Earth Leakage
<b>Recommended Lift</b>	615kg
<b>Dimensions</b>	H:1700 W:1700 D:700mm



## MD1600 (4x400A)

<b>Incomer</b>	Rated 3P+N+E Terminals
<b>Outgoing</b>	4 x 400A 4P MCCB
<b>Circuit Protection</b>	1600A 4P MCCB, 4 x 400A 4P MCCB
<b>Recommended Lift</b>	350kg
<b>Dimensions</b>	H:1800 W:1150 D:720mm



## MD2000

<b>Incomer</b>	Rated 3P+N+E Terminals
<b>Outgoing</b>	6 x 400A 4P MCCB
<b>Circuit Protection</b>	2000A MCCB, 6 x 400A 4P MCCB Metered
<b>Recommended Lift</b>	916kg
<b>Dimensions</b>	H:2100 W:2210 D:850mm



## MD3200

<b>Incomer</b>	Rated 3P+N+E Terminals
<b>Outgoing</b>	2 x 1600A 4P MCCB
<b>Circuit Protection</b>	2 x 1600A 4P MCCB
<b>Recommended Lift</b>	750kg
<b>Dimensions</b>	H:2300 W:2500 D:920mm



### LOOKING FOR A BESPOKE BUILD?

We can design and manufacture solutions to support long-term hires. For more information, please contact [sales@idesystems.co.uk](mailto:sales@idesystems.co.uk)



### QUALITY & SAFETY ASSURED

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

Stainless Steel ✓

Relocatable ✓

125A-250A ✓

IP Rated ✓

SITE DISTRIBUTION BOARDS

IDE site distribution boards are designed to distribute temporary power across site and are housed in a stainless-steel enclosure and crash frame which ensures extra protection in harsh environments. Complete with forklift pockets which allow for relocation across site when required.

**SD125**

**Incomer** 125A 400V plug or hardwire (Tails available)

**Max Outlets** 20 outgoing sockets available ranging from 16A 1Φ - 63A 3Φ fully configurable  
\* Hardwire options are also available

**Recommended Lift** 130kg 🚛

**Dimensions** H:1450 W:940 D:400mm



**SD250**

**Incomer** 200A-250A hardwire (Tails available)

**Max Outlets** 20 outgoing sockets available ranging from 16A 1Φ - 125A 3Φ fully configurable  
\* Hardwire options are also available

**Recommended Lift** 130kg 🚛

**Dimensions** H:1450 W:940 D:400mm



# Site Power Distribution

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

🇬🇧 **DESIGNED & MANUFACTURED IN THE UK**



**LOOKING FOR SOMETHING BESPOKE?**

As an additional service, our team can configure all site boards to meet the needs of your project. We also offer discounts on long term hires of site distribution boards.

**For more information, please contact [rental@idesystems.co.uk](mailto:rental@idesystems.co.uk)**

## SITE POWER DISTRIBUTION

Stainless Steel ✓

110V Step down ✓


Relocatable ✓

IP Rated ✓

### SITE TRANSFORMERS


Our 10kVA and 20kVA transformers are designed to provide on-site power for tools and other machinery and are available to hire from all of our three rental centres across the UK.

#### ST103

<b>Incomer</b>	32A 3Φ 400V Plug
<b>Outgoing</b>	2 x 32A 110V, 4 x 16A 110V
<b>Circuit Protection</b>	16A Incomer Protection, 2 x 32A 2P MCB, 2 x 16A 2P MCB
<b>Recommended Lift</b>	75kg 
<b>Dimensions</b>	H:685 W:505 D:500mm




#### ST103Mc-1

<b>Incomer</b>	32A 3Φ inlet
<b>Outgoing</b>	1 x 32A 3Φ, 2 x 32A 110V, 4 x 16A 110V
<b>Circuit Protection</b>	16A 3 pole MCB protecting the transformer unit. 2 x 32A 2P MCB, 2 x 16A 2P MCB
<b>Recommended Lift</b>	85kg 
<b>Dimensions</b>	H: 650 W:620 D: 490mm



#### ST203

<b>Incomer</b>	63A 3Φ 400V Plug
<b>Outgoing</b>	4 x 32A 110V, 8 x 16A 110V
<b>Circuit Protection</b>	32A Incomer Protection, 4 x 32A 2P MCB, 4 x 16A 2P MCB
<b>Recommended Lift</b>	160kg 
<b>Dimensions</b>	H:910 W:660 D:630mm



# Changeover Panels

A quick and easy solution designed to divert power from your electrical supply to your back-up generator in the event of a power failure. We offer a range of changeover panels for event, and industrial applications.

 **DESIGNED & MANUFACTURED IN THE UK**

## CHANGEOVER PANELS

Stainless Steel ✓

Relocatable ✓

125A-3200A ✓

IP Rated ✓

### AMF - AUTOMATIC MAINS FAILURE

IDE offer a range of AMF changeover panels ranging from 125A-3200A for use on any temporary electrical installation.



### AMF - EVENT RANGE

125A and 400A automatic mains failure panels designed for use in the event industry.



Our event AMF panels are a smaller lightweight solution manufactured from HDPE and can be easily relocated across site.

### MANUAL CHANGEOVERS



IDE manual changeover panels are designed to allow the user to manually divert the power to a secondary supply upon failure of the duty supply. Available 800A and housed in a stainless-steel crash frame.

# Inline Protection

IDE's Inline Protection units are designed to protect cables or distribution in the event of a short circuit, earth fault or overload.

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## INLINE PROTECTION

32A-3200A ✓ Relocatable ✓ IP Rated ✓ Mennekes Sockets ✓

IDE offer Inline Protection units ranging from 32A-3200A to support your temporary power project.

IP32	OPTION 1	OPTION 2
<b>Incomer</b>	32A 1Φ	32A 3Φ
<b>Outgoing</b>	32A 1Φ	32A 3Φ
<b>Circuit Protection</b>	32A 2P MCB and 32A 2P 30mA RCD	32A 4P MCB and 32A 4P 30mA RCD
<b>Recommended Lift</b>	5kg	5kg
<b>Dimensions</b>	H:300 W:400 D:350mm	



IP63	OPTION 1	OPTION 2
<b>Incomer</b>	63A 1Φ	63A 3Φ
<b>Outgoing</b>	63A 1Φ	63A 3Φ
<b>Circuit Protection</b>	63A 2P MCB and 63A 2P 100mA RCD	63A 4P MCB and 63A 4P 100mA RCD
<b>Recommended Lift</b>	10kg	10kg
<b>Dimensions</b>	H:350 W:450 D:400mm	



IP125	
<b>Incomer</b>	125A 3Φ
<b>Outgoing</b>	125A 3Φ
<b>Circuit Protection</b>	125A 4P MCB c/w Adjustable Earth Leakage
<b>Recommended Lift</b>	16kg
<b>Dimensions</b>	H:350 W:450 D:400mm



IP400	
<b>Incomer</b>	400A Powerlocks 3Φ
<b>Outgoing</b>	400A Powerlocks 3Φ
<b>Circuit Protection</b>	400A 4P MCCB
<b>Recommended Lift</b>	27kg
<b>Dimensions</b>	H:450 W:550 D:495mm



## INLINE PROTECTION

### IP630 Power lock Splitter

<b>Incomer</b>	630A Powerlocks 3Φ
<b>Outgoing</b>	2 x 630A Powerlocks 3Φ
<b>Circuit Protection</b>	630A 4P MCCB
<b>Recommended Lift</b>	60kg
<b>Dimensions</b>	H:600 W:550 D:495mm



IP2000	
<b>Incomer</b>	Rated Copper Pads
<b>Outgoing</b>	Rated Copper Pads
<b>Circuit Protection</b>	2000A 4P ACB
<b>Recommended Lift</b>	400kg
<b>Dimensions</b>	H: 2320 W:960 D:900mm




IP2500	
<b>Incomer</b>	Rated Copper Pads
<b>Outgoing</b>	Rated Copper Pads
<b>Circuit Protection</b>	2500A 4P ACB
<b>Recommended Lift</b>	450kg
<b>Dimensions</b>	H:2320 W:960 D:900mm

IP3200	
<b>Incomer</b>	Rated Copper Pads
<b>Outgoing</b>	Rated Copper Pads
<b>Circuit Protection</b>	3200A 4P ACB
<b>Recommended Lift</b>	540kg
<b>Dimensions</b>	H:2320 W:960 D:900mm

## CABLE RAMPS

IDE supply TR1x5 channel cable ramps which can be used on a wide range of applications including events, construction sites and any environment where cable protection is required.

## TR1x5

Type	5 Channel Ramp
Recommended Lift	9kg 
Dimensions	H:50 W:440 D:960mm



## JUNCTION BOXES


IDE junction boxes are designed to terminate lugged ends of a cable and can be used to extend or split cable.



## JB630

Incomer	630A 3Φ (5 x M12 Lug Terminals)
Outgoing	630A 3Φ (5 x M12 Lug Terminals)
Recommended Lift	11kg 
Dimensions	H:260 W:605 D:510mm

## JB4000

Incomer	4000A 3Φ (6 x M12 Lug Terminals per phase neutral & earth) c/w external earth bar
Outgoing	4000A 3Φ (6 x M12 Lug Terminals per phase neutral & earth) c/w external earth bar
Recommended Lift	500kg 
Dimensions	H: 1600 W: 1800 D: 1200mm

# Electrical Accessories

IDE offer a range of electrical accessories which can be used to support your temporary power network.


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**VULCAN-EV CHARGING POINT**

The Vulcan-EV charging point enables electric vehicle charging from a temporary power source. Housed in a high visibility IP rated enclosure, it can be configured to select any phase, and can be set to provide 32A charging, or 16A charging if the power is limited. The outputs are fully compliant with European Type 2 charging systems.

**Vulcan-EV Charging Point**

<b>Input Connector</b>	Compatible with 63A 3 phase, 63A single phase. A 32A adapter can be provided for operation in dual 16A charging mode.
<b>Outputs</b>	2 x Type 2 charging sockets. Auto selecting charge rate from vehicle, with manual override to limit to 16A per socket
<b>Cable Lock</b>	Auto cable lock whilst charging as standard, can be supplied without if required
<b>Protection</b>	Residual Current Breaker with overload protection for both outlets
<b>Phase Selector</b>	Phase selector switch to balance phases during set up. This allows 3 modules to run from a single 3 phase supply using feed through cables.
<b>Dimensions</b>	W420mm D460mm H580mm
<b>Recommended Lift</b>	16kg 



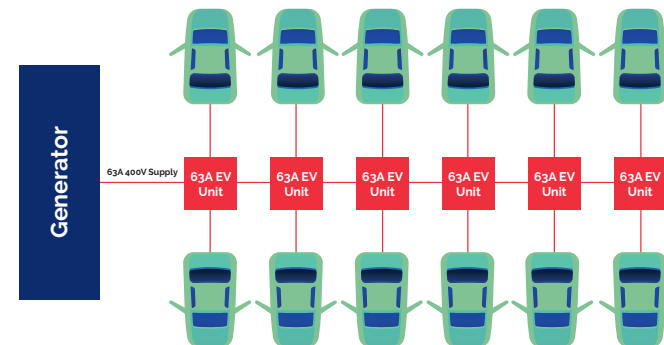
# EV Charging

The IDE Vulcan EV charging point is an ideal solution for charging at remote locations and festivals to meet the needs of a growing fleet of electric and hybrid vehicles.

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**EV Charging on-site**

Three modules (six charging points) can be connected in-line and powered from a single 63A 3 phase supply, or six modules (twelve charging points) in "low power" mode.



**SMART POWER DISTRIBUTION (SUMMER 2019 LAUNCH)**

As an on-site power management tool, the smart power distribution system will allow you to measure your power usage via the Cloud so that you can make informed decisions to manage your power more effectively.

Through the on-site power management tool, you are able to control power switching and external devices such as alarms, lighting and heaters. Multiple units can be configured into a local communication network, and can communicate to the Cloud via a single internet connection.

The power usage of each socket can be monitored from your laptop or mobile device and the data is stored in the Google Firebase Cloud, ensuring secure access, backup, and reliability.

It can be easily retrofitted into event distribution boards, site distribution boards and even fixed installations.

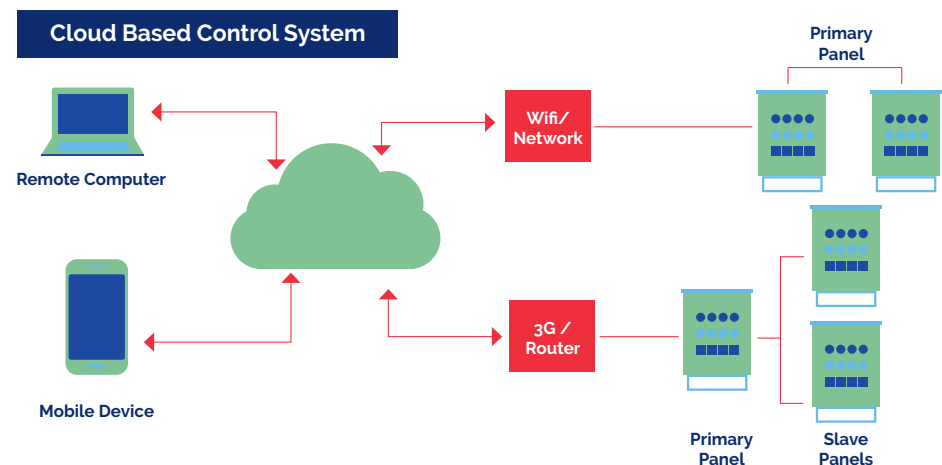
Key features and benefits of the smart power distribution system include:

- Remote per socket monitoring via the Cloud (Laptop/Smartphone)
- User friendly dashboard
- Live GPS map location
- Power usage site surveys
- kWh tariffs on usage per socket outlet
- Ability to identify unbalanced loads
- Alarms & updates on set parameters
- Secure data management
- Fully configurable Modbus
- Switch sockets on/off based on condition or timing
- Internet connections via ethernet, GSM, and Zigbee
- Bringing established IoT technologies to temporary power

# Smart Power Distribution

As a forward-thinking business IDE have developed the smart power distribution system which can be applied to a wide range of applications.

 **DESIGNED & MANUFACTURED IN THE UK**



As a reputable name within the industry, we ensure our customers fully understand our processes and terms of business.

### On-Hire Process

Upon submitting your enquiry, our hire team will supply you with a verbal and written quotation – complete with a unique quote number.

Once a purchase order is received, our team carefully pick the equipment and raise a contract which is sent to you.



### Transport

#### Deliveries/Collections

We offer a standard next day service via our dedicated transportation network which can deliver/collect throughout the UK and Europe.

Each of our rental centres have their own flatbed truck to support same day local deliveries/collections. Once our equipment has been delivered, a signed delivery note is returned to our team and kept on file. Upon collection, all equipment is checked over and a collection note is supplied to you or your site contact.

### International deliveries

Working closely with our trusted delivery partners, we are able to meet all commercial requirements to distribute our temporary power equipment across the globe. We offer land, sea and airfreight options. For more information on our delivery policy please visit [www.idesystems.co.uk](http://www.idesystems.co.uk)

### Asset Management

Once equipment is returned to our depot it is checked over by our hire team and booked onto our system. Any missing or damaged equipment will be logged by our staff.

### Payment Terms

As a trusted advisor to the temporary power industry, our minimum payment terms are 30 days. This is subject to change for our key clients.



For further information on our off-hire process, please visit: [www.idesystems.co.uk](http://www.idesystems.co.uk)

IDE don't just manufacture and hire temporary power equipment. We offer a range of value-added services to support your business.

### SITE INSTALLATION



IDE Electricians are qualified to the 18th Edition IET BS 7671. We can support you with installation requirements for generator and load bank connections, as well as temporary overlay panel installations.

### ANNUAL TESTING



All IDE equipment is fully tested by our in house electricians before every hire. Equipment can be supplied to you with a valid test certificate upon request. We can also carry out annual testing on your equipment, and issue you with appropriate certification.

### TRAINING PACKAGES



To support your business, we offer a range of training packages on basic electrical safety and the applications of power distribution equipment. Training can be arranged at our main rental hub in the Midlands, or at your premises.

### DESIGN AND BUILD



To support long term hires, we are able to manufacture bespoke solutions to suit the requirements of your project. With our flexible manufacturing capability and supply chain partnerships, we can respond quickly and efficiently.

**Single Phase** Single phase consists of 3 conductors - line, neutral and a protective earth. Plugs and couplers are usually blue colour.

**Three Phase** Three phase consists of 5 conductors' line1, line2, line3, neutral and protective earth. Plugs and couplers are usually red colour.

**Multi-core cable** Made up of multiple cores of copper wire. Often used in the event industry.

**Single-core cable** Made up of a stranded copper conductor insulated by PVC.

**HO7RN-F** Popular industrial cable type used within the industry.

**H:** Harmonised

**07:** 450/750 Volts

**R:** Ethylene polychloroprene rubber (high resistance to abrasion)

**N:** Polychloroprene (oil, grease and water resistant)

**F:** Fine wire flexible chord (Flame retardant)

**Power lock source** Often referred to as "female ends," the Power lock source connectors are terminated to the drain ends to allow the secure connection of cable to a generator and other electrical supplies.

**Power lock drain** Often referred to as "male ends," the Power lock drain connectors are terminated to the source ends to allow the secure connection of cable to a generator and other electrical supplies.

**Lugs** Terminated to the ends of cable to allow for a secure connection of cable to generators and other electrical supplies.

**Voltage (V)** The "push" that causes charges to move in a wire or another electrical conductor

**Hardwire** Connecting the temporary power network to the mains supply or generator using lugged cable ends.

**Earth** Used to protect you from an electrical shock. A common return path for electrical current.

**Neutral** A circuit conductor that normally carries current back to its source.

**Circuit Breaker** A device used for automatically stopping the flow of current in an electrical circuit as a safety measure.

**On-hire** When equipment is rented to the customer for a weekly fee.

**Off-hire** When the equipment finishes its rental duration.

**Power distribution** A piece of equipment that divides a power supply to a number of smaller supplies.

**Amps (A)** Is the base unit of electric current.

**IP Ratings** The degree of protection required for the environment that the equipment is intended to be used in.

**kVA (Kilo-Volt-Ampere)** Typically used to measure the power output of the generator.

**Incomer/Inlet** Main power supply feeding the distribution board.

**Outgoing** Usually a protected socket outlet.

**Plug** Is a male end of a cable

**Socket** Is a female end of a cable

**MCB (Miniature Circuit Breaker)** Often used in smaller power applications where the voltage does not exceed 400V

**MCCB (Moulded Case Circuit Breaker)** Often used in larger power applications for use up to 690V

**RCD/RCCB (Residual Current Device or Residual Current Circuit Breaker)** Is a device that breaks an electric circuit by detecting imbalance of current flowing through line and neutral conductors.

**RCCBO (Residual Current Circuit Breaker with Overload)** Is an RCD/RCCB with overload protection.

**ELR (Earth Leakage Relay)** Is a device that, combined with a CT (Current Transformer) detects current differential between phase and neutral. Ultimately determining earth leakage used with a Shunt can operate a MCB or a MCCB (to the off position)

**Site Distribution Board** Is a metal power distribution box which is designed for use on site electrical installations.

**High Power Distribution** A term used to describe a range of our distribution boards (630A-3200A).

**Site Transformers (normally 110V)** Used for reducing voltages. Commonly used on low voltage systems i.e. building sites.

**AMF (Automatic Mains Failure)** Detects power failure via voltage monitoring then changes over to a secondary supply automatically, then back again.

**Inline protection** Is designed to protect cables or distribution in the event of a short circuit, earth fault or overload.

**Cable ramps** Are designed to protect cables from vehicles and other heavy duty equipment.

**Junction Boxes** Are designed to terminate lugged ends of a cable and be able to extend or split cable.

**Electric Vehicle Charging points** Are designed to plug into a 63A 3 phase or single-phase supply (with convertor lead) and output to a controlled (by the vehicle) and protected Type 2 socket for charging electric vehicles, fast 32A charging is available.

**Smart Power Distribution** New innovative technology that monitors power (in Kwh), status (on/off), and has a facility to remotely control switches and circuit breakers. This new technology can be fitted and retro fitted to most of our standard range of products.



## ISSUES WITH TEMPORARY POWER DISTRIBUTION? TALK TO THE EXPERTS

Our dedicated technical department are on hand to solve your issues. For more information, call us on +44 (0) 1543 574 111

# Need help? We're on your side.

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**Temporary Power Distribution**