



HEATLOAD



POWER SUPPLY

TEMPORARY POWER
DISTRIBUTION

ISSUED
October 2024

DATA CENTRE TESTING... NO PROBLEM

INTRODUCTION

We offer a variety of solutions to connect the heat load to the building's power distribution.

The most effective way to test the power distribution within a Data Centre is to connect the heat load directly to the final power distribution installed in the customer racks. In rack mounted environments where the power strips are installed, connections could be CE7, UK 3-Pin, C13 or C19 outlets.

In floor standing environments the final power connection is likely to be single or 3-phase commando type socket.

Bespoke cables can be manufactured on request. All HeatLoad 3-phase units require 32Amp 5-pin commando type sockets. We can provide adapters to connect single phase units to single phase or 3-phase outlets.



3 PHASE POWER DISTRIBUTION



630A PDU'S

We stock temporary 630A Power Distribution Units (PDUs) that facilitate the distribution of power to our 250A PDUs from larger customer supplies. This is achieved using our 95mm Cable Sets, which can extend up to 25 meters in length. We provide 240mm Cable Sets to connect our 630A PDUs to the building's power supply.

630AMP Power Distribution Board

Connection: 700/800A PowerLock Connection; with 630A isolator

Output: 3 x 500A PowerLock Connections; each with 250A isolator

Dimensions: 1300mm high x 1300mm wide x 500mm deep

Weight: 190kg



3 PHASE POWER DISTRIBUTION

TEMPORARY 250A PDU'S

For Data Centres that do not have the power distribution installed during commissioning or the Integrated Systems Test (IST) we can provide temporary 250A PDUs, which are compatible with all of our heat load units. We offer two variants:

- 250 3PH Event Distribution Board
- 250A Schneider distribution Isobar board

250 3PH Event Distribution Board

Connection: Powerlock Drain Set - 250A 4-Pole isolator

Output: 10 x 32A 400V 5 Pin IP44 Panel Socket - 40A 3 Pole Type C MCB

Dimensions: 725mm (h) x 520mm (w) x 400mm (d)

Weight: 41kg

Maximum Load: 150kw



3 PHASE POWER DISTRIBUTION



Schneider 250A PDU's

We currently stock two Isobar 250A PDU's variants:

8 Way Schneider ACTI9 ISOBAR Power Distribution Board

Connection: PowerLock Connection or 10mm Lug with M8 Fixing; 250A Isolator

Output: 8 x 32A TPN+E Sockets (40A MCB)

Dimensions: 94cm(h) x 47cm(w) x 15cm(d)

Stand Height: 60cm

Weight: 40kg (50kg including Stand)

Maximum load: 150kw

10 Way Schneider ACTI9 ISOBAR Power Distribution Board

Connection: PowerLock Connection or 10mm Lug with M8 Fixing; 250A MCCB

Output: 10 x 32A TPN+E Sockets (40A MCB)

Dimensions: 110cm(h) x 47cm(w) x 15cm(d)

Stand Height: 60cm

Weight: 50kg (60kg including Stand)

Maximum load: 150kw



SMALLER POWER DISTRIBUTION



POWER CONVERSION OPTIONS

3 Phase Splitter

32amp 3-Phase 5-Pin Commando to three, 32Amp single phase 3-pin sockets.



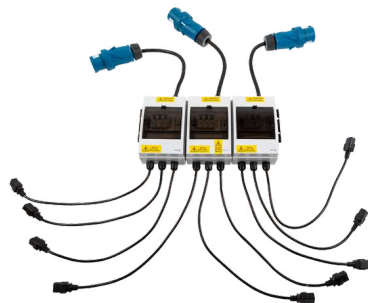
Single phase distribution board

32amp Single Phase 3-Pin Commando to two or three, single phase C19 sockets, with 0.25M leads.



3 - Phase 32A distribution Board

Designed to be installed in customer temporary IT racks, occupying 6U of space for laying on top of 10kw floor standing emulators. 32A 3-Phase incoming supply and 9 x C19 outlets (three per phase) protected by 20A MCB's.



3 - Phase 32A distribution Board

Designed to be installed in customer temporary IT racks, occupying 6U of space. 32A 3-Phase incoming supply and 9 x C19 outlets (three per phase) protected by 20A MCBs.



SMALLER POWER DISTRIBUTION

CABLE SETS



5G6 3-Phase Extension Leads

32amp 5-Pin 3-Phase extension 5, 10 and 15m extension leads.



3G6 Single Phase Extension Leads

32amp 3-Pin Single Phase extension 2.5 and 5m extension leads.



Single Phase 16Amp Commando to C19

To allow all rack mounted emulators and floor standing units to be connected to 16A commando outlets.



c14 to c19

To allow 2kw rack mounted emulators and 2kw floor standing units to be connected to 10A C13 outlets.



uk 3-pin to c19

To allow 2kw rack mounted emulators and+ floor standing units to be connected

We have standardised the power connection for all single phase heaters and server emulators with a single C20 16Amp plug. Adapter cables are available to connect to customer distribution:

OUR SERVICES



PREPARATIONS

Prior to their dispatch all our equipment undergoes visual, PAT and/or phase testing. Typically it is only necessary to PAT test equipment every 6 months, however we test our equipment before every test to ensure that it is fully functional. Once tested the equipment is carefully packed and packed onto pallets or a dedicated vehicle.

DELIVERY/COLLECTION

Depending on the location of the project and the number of units required, our expert team will organise delivery through either one of our vehicles, pallet service or a dedicated vehicle.



INSTALLATION

Our professional team can install the equipment for you. The advantage of using our operatives is that they have installed thousands of heat load units over the years and can reduce the installation time considerably. All of our operatives carry CSCS cards, first aid trained and attend regular toolbox to ensure that they work in a safe manner.

ADDITIONAL OPTIONS

In order to provide the full package, we offer a number of additional products and services such as; temperature/humidity monitoring solutions, temporary correx blanking, temporary racks, a variety of distribution options and more.



OUR SERVICES

CONTACT US



GIVE US A CALL

You can contact us directly through our head office landline which is accessible 24 hours a day, 365 days a year.

+44(0)1243 575106

VISIT OUR WEBSITE

Search 'Heatload' into your search engine to discover information on our products and services in a greater depth. Once you have a rough idea of the package you are looking for take advantage of our simplistic quotation tool, which you'll find in our 'Get A Quote' page.



WWW.HEATLOAD.CO.UK



SEND US AN EMAIL

We understand that every project is unique and tailoring your perfect solution may take some information going back and fourth. Contact us directly via our enquires email.

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