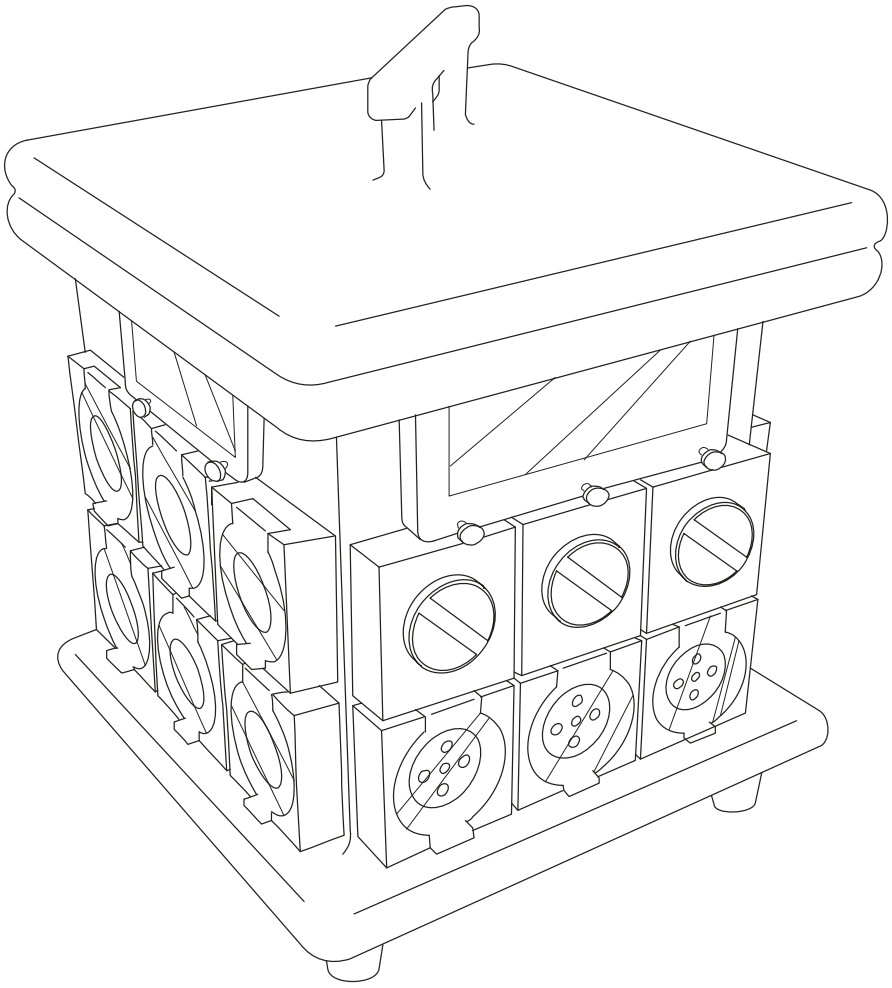
63A POWER CUBE

USER MANUAL



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ABOUT THIS MANUAL

This manual is designed to provide the user with the information required to operate and maintain the *63A POWER CUBE* correctly and safely.

Safety Information

READ CAREFULLY

Throughout this manual there are important safety warnings. Please read through the complete manual before using the *63A POWER CUBE*.

Disclaimer

Work Smart Equipment and its affiliates take no responsibility for any damage, injury or death resulting from the incorrect or unsafe use of this product. Use of this product should be undertaken by competent persons only. It is the operator's responsibility to ensure that the following safety procedures are followed. If you are unsure, do not operate this product.

PRODUCT INFORMATION

Warranty

- A Limited One Year Warranty applies to the *63A POWER CUBE.*
- Warranty does not cover wear and tear, breakage, misuse or theft. Warranty coverage is at the manufacturer's discretion.
- Any unauthorized repair or part replacement will void the warranty. Refer to manufacturer for all repairs.
- Servicing and testing must be carried out by competent persons only; failure to comply will void warranty. Refer to pages 15 and 16 for further information.
- Warranty does not cover consumables or attachments.

Warranty Summaries

Part	Warranty Provider	Time
Enclosure	Work Smart Equipment	1 Year
Components	Work Smart Equipment	1 Year

Product Description and Specifications

The 63A POWER CUBE portable distribution box provides a versatile, flexible and safe power solution for your temporary connection requirements.

A combination of switched 3-phase and 240 volt IP66 rated fittings are provided to make this unit easy to use and expand if required. The combination of multiple MCBs (miniature circuit breakers) and RCDs (residual current devices) provide overload and safety protection.

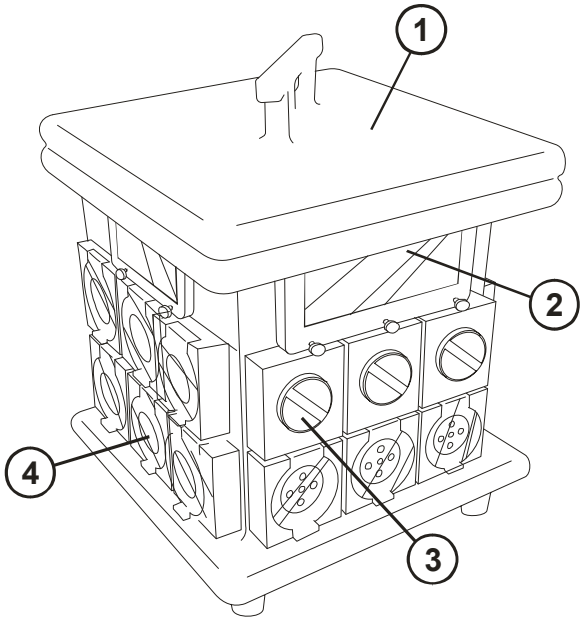
Manufactured from high impact UV and flame resistant polyethylene, this unit is rugged and tough enough to survive industries such as construction, agriculture, events and recreational use.

The *63A POWER CUBE* has an ingress protection rating of IP33 (in accordance with AS60529), making it suitable for outdoor use in rainy conditions.

Product Specifications:

MAX. INPUT CAPACITY	63A, 415V 3-Phase
MAX. TOTAL OUTPUT	63A, 415V 3-Phase
DIMENSIONS (L x W x H)	480 x 480 x 680mm
WEIGHT	21.0 kg

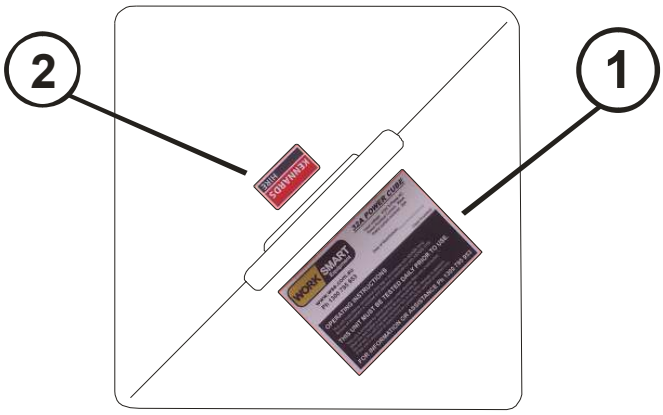
BASIC PARTS LIST



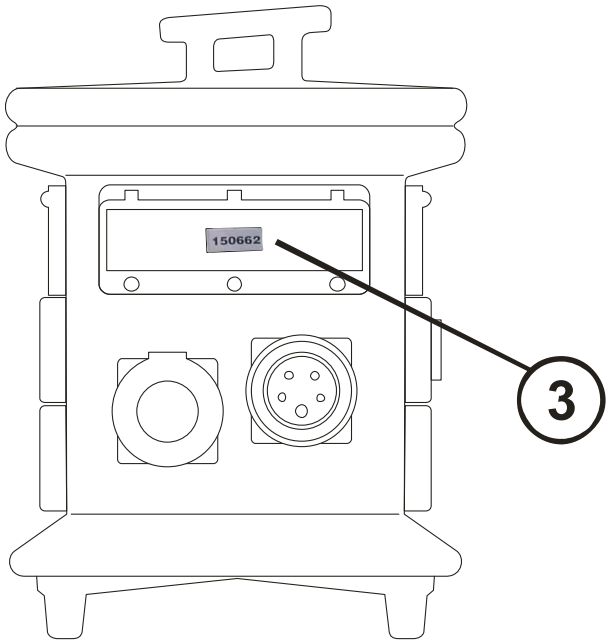
1	ENCLOSURE
2	TRIP SWITCHES
3	ON/OFF SWITCHES
4	PLUG SOCKETS

PRODUCT STICKERS

TOP VIEW



FRONT VIEW



1	INSTRUCTION STICKER
2	KENNARDS HIRE STICKER
3	KENNARDS HIRE SERIAL NUMBER STICKER

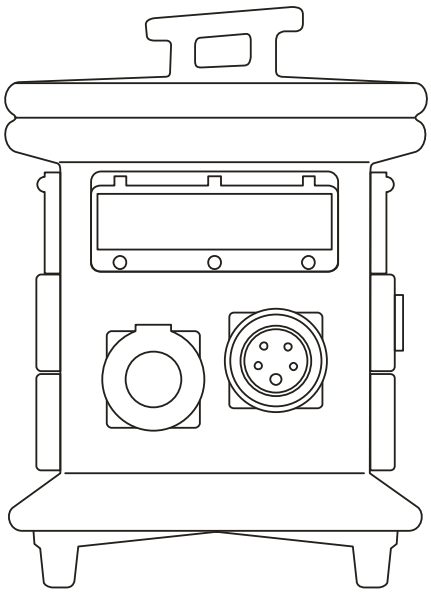
CAUTION

THE INSTRUCTION STICKER CONTAINS IMPORTANT SAFETY INFORMATION. DO NOT USE THIS PRODUCT IF THE STICKER IS MISSING. CONTACT YOUR DISTRIBUTOR FOR REPLACEMENT STICKERS

SOCKET SUMMARY

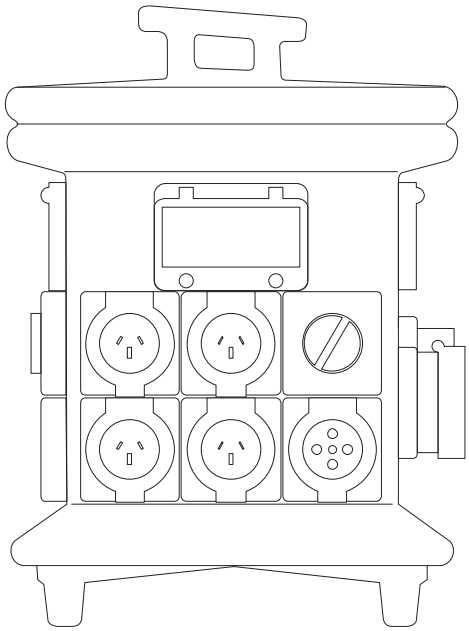
- 1 x 63AMP 3-phase 5 pin inlet socket.
- 10 x 15 AMP 240V outlets, with individual RCBO protection for each pair of outlets.
- 1 x 50AMP 3-phase 5 pin outlet, RCD and MCB protected.
- 2 x 32AMP 3-phase 5 pin outlets, RCD and MCB protected for each outlet.
- 1 x 20AMP 3-phase 5 pin outlet, RCD and MCB protected.
- 1 x 63AMP 3-phase 5 pin outlet, RCD and MCB protected.
- All inlets and outlets used are IP66 rated.
- 15AMP outlets can accept 10AMP plugs.

Side A



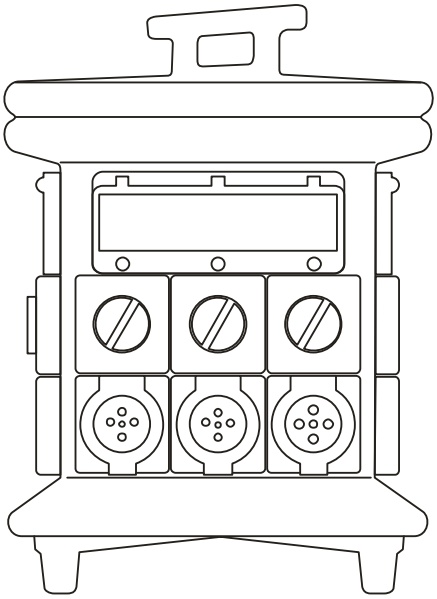
- 1 x 63AMP 3-phase 5 pin electrical inlet
- 1 x 63AMP 3-phase 5 pin electrical outlet
- 1 x Main supply 63A circuit breaker
- 1 x 3-phase 63A RCD
- 1 x 63A outlet circuit breaker

Side B



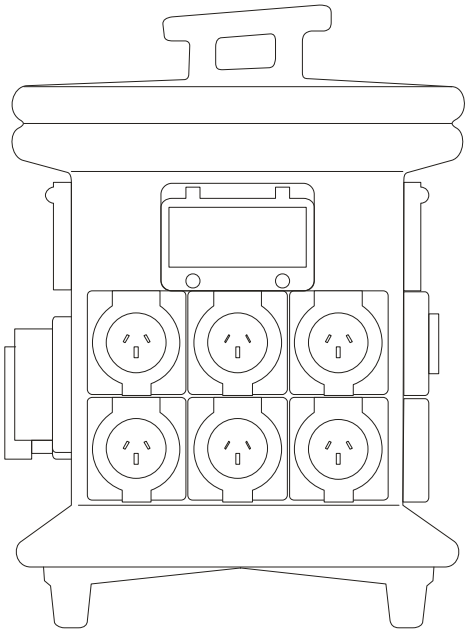
- 4 x 15AMP outlets
- 1 x 32AMP outlet
- 1 x 32AMP isolating on/off switch
- 2 x 25A RCBO's

Side C



- 1 x 50AMP 3-phase 5 pin outlet with isolator switch
- 1 x 32AMP 3-phase 5 pin outlet with isolator switch
- 1 x 20AMP 3-phase 5 pin outlet with isolator switch
- 1 x 50AMP circuit breaker
- 1 x 32AMP circuit breaker
- 1 x 20AMP circuit breaker

Side D



- 6 x 15AMP outlets
- 3 x 25AMP RCBO’s
-

HOW TO USE AND OPERATE

DO NOT USE ANY ELECTRICAL EQUIPMENT THAT DOES NOT HAVE A RELEVANT TEST TAG OR SHOWS SIGNS OF DAMAGE

Before use:

Higher amperage circuits will not protect this circuit as the internal power boards are pre wired with a cascade point to enable connection of multiple units.

Do not connect units to circuits without a neutral connect or the RCD protection will not work correctly. Any modifications or improper connection will result in the RCD not working correctly.

Before connecting any electrical equipment, electrical leads or portable power distribution boards to a power source, check the equipment thoroughly for damage or possible faults. If there are any signs of damage or possible wiring issues, get the unit inspected by a qualified electrician before using it.

INCORRECT USE OF THIS PRODUCT CAN BE DANGEROUS AND THE USE OF AN RCD SHOULD NOT BE A SUBSTITURE FOR BASIC ELECTRICAL SAFETY PRECAUTIONS

Connecting to power source:

- Units must be connected to a power source circuit with a 63 amp circuit breaker with neutral and earth (MEN system)

- Connection of the inlet to the power supply is done via a 63AMP plug via a 4 core & earth lead

- It is the user's responsibility to ensure that the power lead supplied is the correct size to handle the load carrying capacity of the board – 63 amps, for the length of the lead and the environment it is located in.

THE UNIT SHOULD BE DIRECTLY CONNECTED TO A SOCKET-OUTLET. DO NOT USE EXTENSION CORDS FOR THE INPUT SUPPLY.

- Once power source lead is connected correctly, turn main power switch to ON position.

DO NOT USE THE DEVICE IF IT FAILS TO OPERATE CORRECTLY WITH THE INSTRUCTIONS IN THIS MANUAL

Connecting leads to outlets:

- The outlets are marked with the correctly sized outlet fitting, i.e. a 20AMP outlet or socket will only accept a 20AMP plug, likewise with the 32AMP and 63AMP fittings.

- The 15AMP plug outlets accept 10AMP plugs, as well as standard 15AMP plugs.

- Only use a correctly sized lead to connect the distribution board to electrical equipment. The lead must be suitable for the marked load of the outlet and for the length of the lead connected to the piece of electrical equipment.

- Ensure the plug is correct for the socket. Pins of the leads should be straight and not forced into socket. Correctly secure the plug to maintain an IP rated connection.

- Leads are to be adequately supported and any pulling tension on a connection is to be eliminated.

- The number located on the socket outlet corresponds with the MCB and RCD that is protecting that socket outlet in the enclosure.

Connecting to Generators:

- When connecting power to a generator, it is important to ensure that the circuit breaker on the generator is the correctly sized amperage tripping current of 63AMP. This provides protection for the multiple cascade outlet and any electrical connections to the 63A POWER CUBE.

- Make sure the generator is grounded correctly and that you follow all the generators manufacturer's instructions.

RCD rating:

In front of the RCD is the current rating to which it will trip. The board is fitted with 30Ma RCD breakers.

THIS DEVICE WILL PROTECT AGAINST FAULTS TO EARTH THROUGH THE HUMAN BODY, BUT NOT AGAINST ACTIVE TO NEUTRAL FAULTS

Some work places require different RCDs. It is the user's responsibility to ensure that the RCD is correct for that workplace and meets the applicable Australian standard. RCD breakers should only be changed by a qualified electrician.

Other RCD's fitted at electrical connections or distribution points prior to the POWER CUBE's distribution board, may experience tripping by electrical equipment connected to the unit. Any tripping of an RCD indicates a fault or short to earth and should be checked by a qualified electrician.

Multiple linking:

Multiple 63A POWER CUBE units can be linked together in a cascade using the 63AMP connections.

TESTING INFORMATION

The 63A POWER CUBE should be tested according to the following schedule.

Working environment	Push button test	Operating time and push button test
FACTORIES, BUILDING SITES AND OTHER EXTREME ENVIRONMENTS	Daily or before each use	Every 12 months
ENVIRONMENTS WHERE CORD IS SUBJECT TO FLEXING OR OTHER HARSH ENVIRONMENTS	Every 3 months	Every 2 years

NOTE: Before conducting electrical testing disconnect all leads to achieve isolation

Push button test

- Connect a supply plug to the device
- Press the test button on the component to be tested
- If the component is functioning properly it will trip and stop the flow of electricity

Operating time test

- An operating time test should only be performed by a competent person who has been trained in electrical tagging and testing. An RCD tester is also required for operating time testing.

CAUTION

IF THE DEVICE TRIPS REPEATEDLY OR FAILS TO TRIP WHEN TESTING THE DEVICE, DO NOT USE THE DEVICE AND SEEK ADVICE FROM AN ELECTRICAL CONTRACTOR OR THE MANUFACTURER.

IMPORTANT INFORMATION

- Circuits should be safety tested by qualified personnel as required by law.
- Only have work carried out on the unit by a qualified electrician
- Daily testing of every RCD should be done before use. The RCD's can be tested by pressing "test" button when power is available. The RCD must trip in order for it to be functioning correctly. Failure to do so indicates a fault.
- It is recommended that the internal wiring be checked every 6 months for loose terminals, wires and socket connections etc. In harsh environments and constant moving of the unit, the checking should be carried out more regularly. Always unplug the unit before inspecting the electrical components.
- Always check for visible signs of damage or faults before use. Do not use if it fails check.
- Remember to use correctly sized leads for the length of run required, as well as the correct connection sizes.
- Do not use in explosive environments.
- Do not use unit in extreme conditions or environments that may be unsafe for use of electrical equipment.
- Do not drop the unit or subject it to heavy impacts as it may damage the electrical connections.
- Running leads through water is dangerous. Ground placement requires adequate protection from the surrounding environment.

SALES & SPARE PARTS

For sales and spare parts for all Work Smart Equipment products; please refer to your distributor below:

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15 Waltham Street
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Email: info@wse.com.au

63A POWER CUBE is tested and certified to AS/NZ 3190 and AS/NZS 3012