

PROUDLY AUSTRALIAN OWNED AND MADE



**POWER
SAFE**
P R O D U C T S

Market leading industrial power boards - innovating for safety

5 REASONS WHY POWERSAFE'S BOARDS ARE THE BEST AVAILABLE ON THE AUSTRALIAN MARKET



1800 338 979 | www.powersafe.net.au

5 REASONS WHY POWERSAFE IS THE MARKET LEADER

Features unique to Powersafe's industrial boards

A dedication to designing and manufacturing the safest portable power distribution boards available is the inspiration to our innovation



From 1-to-5, here are the key features unique to Powersafe's industrial powerboards that our competitors do not offer:

1

LOAD/ISOLATING SWITCH

- ✓ Can be accessed without tools or use of a key
 - ✓ Is "readily available"
 - ✓ Is clearly and correctly marked
 - ✓ Designed and installed to prevent unintentional closure.
- Meeting Australian Standards
AS3439.4
AS3000 2.3.2.2 (f)
AS3439 – 2.4.3/2.4.1
AS3000 2.3.2.2.1 (d)

COMPETITORS

X

2

SWITCHES

- ✓ Main switch is not behind a window impeding access and making it hard to find
- ✓ Main switch can be locked off, but not locked on
- ✓ Rotary on/off switches on 415V socket outlets for tool/equipment operation (helps prevent arc flash).

COMPETITORS

X

3

PROTECTION

- ✓ Protection against undervoltage and automatic restarting on power loss
- ✓ Overcurrent protection for the whole board, not just parts of the wiring circuit
- ✓ Automatic start prevention on power loss to prevent damage to personnel or equipment
- ✓ One RCD per pair of 240V outlets to prevent nuisance tripping (not one RCD for 12 outlets)

COMPETITORS

X





**LOAD/
ISOLATING
SWITCH**

Meeting and exceeding Australian standards

SWITCHES

Accessible, cannot be locked on, rotary switched

PROTECTION

Undervoltage and overcurrent, RCD per pair of outlets

COMPONENTS

Optional emergency stop, breather drain, multiple other safety features

TESTING

Entire board tested, not just parts

4

COMPONENTS

- ✓ Emergency stop fitted as an option, enabling quick and fast shutdown
- ✓ The board is fitted with a breather drain (rated to IP66)
- ✓ Easy to open socket outlets – even with gloves on
- ✓ Multi-strand tinned switchboard wire (not building cable)
- ✓ Socket outlet windows have positive catches to ensure IP rating is maintained over time
- ✓ LED indicator lights show power is connected and board is live, status of each phase
- ✓ All parts used meet or exceed Australian standards
- ✓ Outlets are laser engrave for identification – not stickers which fall off or fade

COMPETITORS X

5

TESTING

- ✓ The entire board is IP65 tested, not just the outlets/parts
- ✓ Products are built using only the highest quality materials and subject to strict inspections and testing
- ✓ Each product holds individual compliance certificates for all items used during manufacture.



COMPETITORS X

**QUALITY YOU
CAN TRUST**

All our products are backed by an unparalleled five-year pro rate warranty.



A. MAIN SWITCH

Competitors' board

The main switch is behind a tinted window that can be padlocked in the on position, preventing access to the only way of turning off the board. This fails to meet Australian standards. The main switch is not easily identifiable, nor is it easy to access.



Powersafe's boards

The on/off switch is easily identifiable and accessed without the use of a tool or a key. It is not behind a window that makes it hard to find in an emergency. The on/off switch can be locked off, but not be locked on.

- ✓ Powersafe offer the only boards on the market with an emergency stop fitted as an option – complying with AS.4024 and providing solutions for risk assessments
- ✓ Powersafe offers the only boards with LED lights for

quick and easy visual guide to determine if the board is live and all three phases are connected.



B. ROTARY ON/OFF SWITCHES

Competitors' board

Do not have rotary on/off switches on any 415V outlets, making it unsafe to disconnect and connect leads/equipment, due to the possibility of causing flash arc.



Powersafe's boards

Use rotary on/off switches that have LED light indication to show when the switch is on, eliminating the possibility of arc flash. It can also be locked off for service.



C. LATCHES

Competitors' board

Latches are small making it hard to open catches (particularly if using gloves), and use of stickers for RCD protection and identification.



Powersafe's boards

Latches are 300% larger for easy use even when wearing gloves, and include laser engraved identification and markings, which will never wear or fall off.



C. RCDs

Competitors' board

Some of our competitors use one RCD to 12x 240 V outlets to reduce cost.



Powersafe's boards

Powersafe use one RCD to two 240V outlets to stop nuisance tripping.

An RCD trips when there is earth leakage (current flowing to earth/ potential electrical shock) greater than 30mA.

Any one piece of equipment when tested must have less than this current flow to be deemed safe to use. However, if you have 12 pieces of equipment/tools connected to one RCD, each piece only needs 2.5mA to start the tripping of the RCD (which at 2.5mA each piece of equipment is safe to use).

So every time the RCD trips, an

electrician will lose time trying to determine whether one piece of equipment caused the trip or a combination. Alternatively, if you do have one piece of faulty equipment connected to a board with only one RCD, then the whole board shuts down for a fault on one outlet.

A board that has multiple RCDs has far less opportunities for nuisance tripping, creating less interference with other users of the board.

Using one RCD is a far cheaper way to build a board, but consider the potential cost of down-time lost in labour?

E. UNDERVOLTAGE CONTROL

Competitors' board

None of our competition include undervoltage control.



Powersafe's boards

Powersafe fit an undervoltage relay to monitor the voltage and isolate power to prevent damage to expensive equipment.

What can cause undervoltage:

- ✓ Where leads are exposed to direct sun and not sized adequately

- ✓ Undersized leads, or the length of leads is too long for the conductors of the lead
- ✓ Poor or dirty electrical connections in the supply electrical chain.

F. WINDOWS

Competitors' board

Use tinted windows which make it hard to see labels to identify parts. They use latches for securing, but not thumb screws to positively seal the window which often allows dust and/or moisture to enter the circuit breakers and RCD, leading to premature failure.



Powersafe's boards

Powersafe uses clear windows that make it easy to see labels behind the window for identifying parts. Latches and thumb screws

used achieve a positive seal, preventing dust and/or moisture entry and ensuring IP rating is maintained.



G. DRAIN/VENT FITTED

Competitors' board

None of our competitors boards are fitted with drains or vents.



Powersafe's boards

Powersafe use a special IP rated drain in our power boards that will let water out but not in. It also allows air to vent through the board preventing condensation.

Operating in human conditions, or a hot day followed by a cold night

can lead to condensation inside of powerboards.

If there is no way to control the air flow and allow moisture to get out, it will cause issues. Moisture and electricity do not mix!



VERSATILE PORTABLE POWER SOLUTIONS

From mine and construction sites to outdoor concerts and major festivals and markets, Powersafe Products are designed and manufactured to deliver safe, reliable distribution of power under the toughest of conditions.

With customisation available on all our products, there is no portable power challenge we cannot meet.



Big savings on transport and storage costs

Up to 24 large stackable Powersafe powerboards can be loaded onto one pallet, which can significantly lower transport and storage costs.

Delivering Australia-wide, with stock on the Sunshine Coast and Perth.



MADE TOUGH FOR AUSTRALIAN CONDITIONS

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**POWER
SAFE**
PRODUCTS