



Shown with optional board stand



MB-01-STD

32A 415V 3 Phase Inlet

The MB01-STD is designed as a plug and play temporary distribution board for small to large work sites.

With a range of outlet types and innovative safety features, it protects personnel and equipment.

As site requirements change, the plug and play design allows the addition (daisy chaining) and/or removal of other power boards, without the need for an electrician.

The entire large industrial range of power boards are manufactured in Australia by our fully qualified electricians.

Manufactured from high impact and corrosion resistant polyethylene, these boards are designed for outdoor use on constructions sites, meeting IP66 standards (dustproof, jets of water) and come with a one year warranty.

KEY FEATURES

- Main board isolating switch is not hidden behind a window and is easily accessible (lockable in off position)
- Stackable design for easy storage and transport –16 boards per pallet
- Cascade outlet – for daisy chaining additional boards
- Windows are IP66 and pad lockable
- IP66 breather valve allows one way moisture flow and two way airflow to eliminate condensation
- Entire board is tested to IP66 not just the outlets
- Three phase outlets can be locked off at the rotary switch
- Plug and play design – no hardwiring required
- Boards are made from UV resistant high impact polyethylene
- Registered Design No. 34937



Covered by Powersafe's one-year warranty.



RDF - 0.7
Under full load amps

[What is RDF? Click here.](#)

SPECIFICATIONS

Supply inlet	32A 415V 5 pin switched CEE Form IP67
Cascade outlets	1 x 32A 415V 5 pin CEE Form rotary switched IP67
Outlets	2 x 32A 415V 5 pin switched IP66 8 x 15A 240V 3 pin auto switched IP66
MCB	1 x 32A 3 pole MCB 10kA
RCD	1 x 40A 4 pole RCD 30mA
RCBO	4 x 20A 2 pole RCBO 10kA 30mA (for 240V outlets)
IP Rating	IP65
Materials	UV resistant high impact V5 polyethylene
Dimensions	21kg - 50cm (L) x 48cm (W) x 48cm (H)

MADE TOUGH FOR AUSTRALIAN CONDITIONS

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SAFE**
PRODUCTS

Specifications subject to change without notice. May 2021.

Numerous Powersafe products are protected by either registered designs, trademarks, patents, certification or combination of IP protection.

What's on board the MB01-STD:32A

Powersafe's commitment to meeting Australian electrical standards can be seen by the below mentioned features and related standards.

The **input isolation device** shall be accessible without the use of a tool or key AS3012:14.5.4-C (MCB behind a locked window does not comply)

Main Switch must be a different colour to other switches AS3000:2.3.3

The **inlet and cascade outlet** (submain) must be of a different type to what is used on site for tools and machinery AS3012:15.4

Each **socket outlet** is required to have an isolation switch and overcurrent protection AS3000:4.4.4.1

Enclosure Shell tested for

- Resistance to UV radiation (including outlets)
- Degree of protection IP65
- Thermal Stability
- Mechanical impact
- Lifting

IP66 Breather Drain reducing condensation in the board, mounted under the board

Side A

- 1 x 32A Distribution Board Isolating Switch
- 1 x 32A 5 pin CEE Form Inlet
- 1 x 32A 3 pole Main MCB 10kA
- 1 x 40A 4 pole RCD 30mA



SIDE B

- 2 x 32A 5 pin switched outlets
- 2 x 15A 3 pin auto switched outlets



SIDE C

- 1 x 32A 5 pin CEE Form Cascade Outlet
- 4 x 20A 2 pole RCBO 10kA 30mA



SIDE D

- 6 x 15A 3 pin auto switched outlets



AS61439 test reports and documentation available upon request.



Covered by Powersafe's five-year pro-rata warranty.



Suitability and testing of switchboard componentry

To comply to AS61439 all componentry requires individual testing and also as an assembly. Under the latest AS3000:2018 Amd 2:2021 switchboards under 125A do not need to comply with AS61439.

However they must be able to withstand the electrical,

mechanical and thermal stresses that are likely to occur in service and the environment they are used.

The only way to properly check if componentry meets these requirements is to test them.

The below test reports are for the componentry used in the MB01-STD

Test	Test Report No.	Australian standard
Properties of insulating material	LCS210111032AK	AS61439-10.2.3.1
Thermal stability	LCS210111032AK	AS61439-10.2.3.1
Resistance to abnormal Heat	TUV - 19301176001	TUV Report no 19301176001
Resistance to UV radation	LCS2101110004CK	ISO to AS/NZS 61439 Requirements
	LCS210111003CK	ISO to AS/NZS 61439 Requirements
	LCS210111001CK	ISO to AS/NZS 61439 Requirements
Lifting	PS18973-ACS63	AS/NZS 61439
Mechanical Impact	PS18973-ACS63	AS/NZS 61439
Marking	TUV- 50226281	AS/NZS 61439 & AS/NZS 3100
Degree of protection of enclosures	Austest 0604POWLB0529	IP65 -AS60529:2004
Incorporation of switching devices and components		
Socket outlets -56 series	20600200551	AS/NZS 3123 & AS/NZS3100:2100
Switches -56 series	20600200550	AS/NZS 3123 & AS/NZS3100:2100
Autoswitched outlets	SAA - 200053-EA	AS/NZS 3123 & AS/NZS3100:2100
Rotary Cam switch	50480442- TUV	EN60947-3:2009
Inlet (CEE FORM)	AT2950	IEC 60309-1 &2
Outlet (CEE Form)	AT3066/A1	IEC 60309-1 &2
RCBO	NSW21900	AS61009.1
RCD	NSW21900	AS61008.1
MCB	AS60898	NSW 16860
Dielectric properties	PS18975-ACS63/01	AS61439
Power frequency withstand voltage	PS18975-ACS63/01	AS61439
Impulse withstand voltage	PS18975-ACS63/01	AS61439
Temperature Rise Limits	PS/MB01-STD-TRV	AS61439

Powersafe add-ons



Adaptor leads

The Powersafe MB01-STD requires an adaptor lead if the supply lead is not fitted with a 32A 5 pin CEE Form socket.

These are common for generators and temporary distribution systems but may not be present on your site.



Single phase extension leads

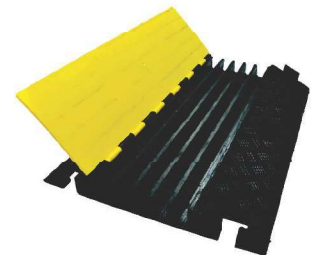
Powersafe's single phase 240V braided extension leads offer superior safety, featuring plugs and sockets specifically designed for braided cable, rated to IP66 and designed for Australian work sites. Available in 10amp or 15amp in various lengths.



Three phase extension leads

Powersafe three phase leads are heavy duty and industrial strength, resistant to mechanical stresses, oils, chemical corrosion and weathering.

Cables are manufactured in Australia with a yellow outer jacket increasing visibility and site safety.



Cable covers

Cable covers provide protection for cables and hoses in compliance with AS/NZ3012.

These cable covers are suitable for roadways or pedestrian areas and available in two, three and five channel and pedestrian.