ECHO

Boards and Products

Echo Boards & Products are an industry leader & supplier of standard and custom built switchboards to builders, wholesalers & electricians. We manufacture and supply electrical switchboard products, such as meter boxes, NSW standard meter boxes, meter panels, tee off boxes, temporary meter boxes, panel surrounds, trays & covers, as well as custom switchboards in Sydney built to specification.

ABOUT US

Echo Boards and Products is a family run and operated business, that focuses on providing high quality service and products. Management prides itself on the strong relationships it has built with their customers and employees. The team are committed to the manufacturing and supply of high quality Australian owned and made goods. We provide an extensive range of electrical products like switchboards, Tee off Boxes, Cable Trays, Bakelite Panels Etc. Echo boards was established in 1988 and has been open for over 30 years. Located in the South West of Sydney the business has grown over time as it changed ownership in 2015 and now has over 20 employees.

WHAT WE STAND FOR

Echo Boards and Products believes in an ethical workplace as we maintain high values such as service quality, efficient communication, equality and diversity.

Our team prides itself on the service we provide by giving the customer exactly what they need. We go beyond our duty of care for the needs of our customers to ensure satisfaction and trust. We make time to recommend and suggest ways to better customer orders.

OUR CONTRIBUTION TO THE COMMUNITY

Since 2014 Echo boards has been a proud supporter of camp quality. We have managed to contribute $210,832.27 for the foundation. Our business fundraisers for the charity each year as we believe the children of our community are what will keep our futures bright.
Over the last three years the Echo Boards team has also given their support to the local firefighters in the community to acknowledge the work they do.

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TEMPORARY BUILDERS SUPPLY BOARDS <100A

BEP 50A 1P W/STAND

BEP 50A 3P W/STAND

BEP 63A 3P W/STAND
+ OUTLET

BEP 63A 3P W/STAND
+ OUTLET

OPTIONAL LEAD STAND

TWO PIECE STAND

PRODUCT DETAILS

OUR TEMPORARY METER BOXES FEATURE

- The Temporary Meter box is practical and easy to use on any jobsite. It's perfect for a temporary solution.
- 1.2mm Galvanised and have IP23, 100A wired and non wired options.
- Workcover compliant.

BEP WIRED TEMP SINGLE PHASE BOARD –
Available with or without stand
40a or 50a or 63a circuit breaker (specify when ordering)

- Temporary builders supply enclosure,mounted to stand, Supplied & wired with 2 x DGPOS 10A, 1 x DGPO 15A, Rear links, 1 x 40A or 50A or 63A circuit breaker main switch and 2 x mcb/rcd.

BEP WIRED TEMP THREE PHASE BOARD –
Available with or without stand
40a or 50a or 63a circuit breaker (specify when ordering

- Temporary builders supply enclosure, mounted to stand, Supplied & wired with 5 x DGPOS 10A, 1 x DGPO 15A, Rear links, 1 x 40A or 50A or 63A circuit breaker main switch and 3 x mcb/rcd.

BEP WIRED TEMP THREE PHASE BOARD WITH OUTLET –
40a or 50a or 63a circuit breaker (specify when ordering)

- Temporary builders supply enclosure,mounted to stand, Supplied & wired with 5 x DGPOS 10A, 1 x DGPO 15A, Rear links, 1 x 40A or 50A or 63A circuit breaker main switch and 3 x mcb/rcd.
- External 20A or 32A three phase 5 pin Outlet – specify when ordering.

TWO PIECE STAND

- The stand is a strong modular making it easier to handle freight, as well as protecting the Upper stand.
- The Stand base is replaceable and sold separately.

PART NUMBER	SIZE (W x H x D)	DESCRIPTION
TWO PIECE STAND	405 x 1840 x 680	Suitable for 300 & 450 Meter Box AVAILABLE TO PURCHASE SEPARATELY
BEP 40A 1P WSTAND	445 x 1840 x 680	BEP WIRED TEMP SINGLE PHASE BOARD – 40A Circuit Breaker WITH STAND
BEP 40A 1P N/STAND	445 x 550 x 230	BEP WIRED TEMP SINGLE PHASE BOARD – 40A Circuit Breaker NO STAND
BEP 50A 1P W/STAND	445 x 1840 x 680	BEP WIRED TEMP SINGLE PHASE BOARD – 50A Circuit Breaker WITH STAND
BEP 50A 1P N/STAND	445 x 550 x 230	BEP WIRED TEMP SINGLE PHASE BOARD – 50A Circuit Breaker NO STAND
BEP 63A 1P W/STAND	445 x 1840 x 680	BEP WIRED TEMP SINGLE PHASE BOARD – 63A Circuit Breaker WITH STAND
BEP 63A 1P N/STAND	445 x 550 x 230	BEP WIRED TEMP SINGLE PHASE BOARD – 63A Circuit Breaker NO STAND
BEP 40A 3P W/STAND	445 x 1840 x 680	BEP WIRED TEMP THREE PHASE BOARD – 40A Circuit Breaker WITH STAND
BEP 40A 3P N/STAND	445 x 550 x 230	BEP WIRED TEMP THREE PHASE BOARD – 40A Circuit Breaker NO STAND
BEP 50A 3P W/STAND	445 x 1840 x 680	BEP WIRED TEMP THREE PHASE BOARD – 50A Circuit Breaker WITH STAND
BEP 50A 3P N/STAND	445 x 550 x 230	BEP WIRED TEMP THREE PHASE BOARD – 50A Circuit Breaker NO STAND
BEP 63A 3P W/STAND	445 x 1840 x 680	BEP WIRED TEMP THREE PHASE BOARD – 63A Circuit Breaker WITH STAND
BEP 63A 3P N/STAND	445 x 550 x 230	BEP WIRED TEMP THREE PHASE BOARD – 63A Circuit Breaker NO STAND
BEP 63A 3P W/STAND + OUTLET	445 x 1840 x 680	BEP WIRED TEMP THREE PHASE BOARD – 63A Circuit Breaker WITH STAND WITH 32A 5 PIN OUTLET

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TEMPORARY BUILDERS SUPPLY SWITCHBOARDS > 100A

TBOX W250

TBOX W250

TBOX W200
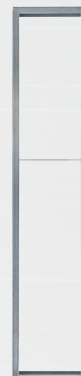
PL250

TEMPORARY BUILDERS SUPPLY SWITCHBOARDS

PART NUMBER	SIZE (W x H x D)
TBOX W250	1200 x 1520 x 350
TBOX W400	1400 x 1660 x 450
TBOX W630	1600 x 2000 x 500

PLINTH

PART NUMBER	SIZE (W x H x D)
PL250	1200 x 490 x 340
PL400	1400 x 340 x 440

PRODUCT DETAILS

OUR TEMPORARY BUILDERS SUPPLY SWITCHBOARDS FEATURE

- Economical and Market leader solution.
- 1.5mm Galvanised, Wall mount, IP54.
- Enclosed and safe SPD and CT chamber sections.
- DIN rail inclusion for DIN type circuit breakers.
- Hot dipped Galvanised plinth for Floor standing available.
- Available in Wired and Not Wired.
- Built to Energy Authority requirements, AS3000.
- Installation of current transformers.
- Powder coating is an option.
- TBOX 630 – comes with a plinth.

OUR PLINTHS FEATURE

- Hot dipped 3mm.
- Plinth to suit 250A & 400A.

| TBOX W200	TBOX W400
1.5mm Galvanised, Wall mount, IP54 Internally wired 200 amp SPD - CT Chamber ('S' type CT supplied and installed) 1 x 100 amp outgoing MCB 10kA - CT meter panel part of MSB **Optional Additional Features:** - PL250 – Plinth to suit TBOX W200 - MCCB160 – 160 amp MCCB mounted & wired - MCCB250 – 250 amp MCCB mounted & wired	1.5mm Galvanised, Wall mount, IP54 - Internally wired 400 amp SPD - CT Chamber ('T' type CT supplied and installed) 1 x 200 amp outgoing MCCB 36kA 1 x 100 amp outgoing MCB 10kA - CT meter panel part of MSB **Optional Additional Features:** - PL400 – Plinth to suit TBOX W400 - MCCB160 – 160 amp MCCB mounted & wired - MCCB250 – 250 amp MCCB mounted & wired - MCCB400 – 400 amp MCCB mounted & wired
TBOX W250	**TBOX W630**
1.5mm Galvanised, Wall mount, IP54 - Internally wired 250 amp SPD - CT Chamber ('T' type CT supplied and installed) 1 x 100 amp outgoing MCB 10kA - CT meter panel part of MSB **Optional Additional Features:** - PL250 – Plinth to suit TBOX W250 - MCCB160 – 160 amp MCCB mounted & wired - MCCB250 – 250 amp MCCB mounted & wired	1.5mm Galvanised, IP54 - Free standing on plinth - Internally wired 630 amp SPD - CT Chamber ('T' type CT supplied and installed) 2 x 250 amp outgoing MCCB 10kA - CT meter panel part of MSB **Optional Additional Features:** - MCCB160 – 160 amp MCCB mounted & wired - MCCB250 – 250 amp MCCB mounted & wired - MCCB400 – 400 amp MCCB mounted & wired

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NSW STANDARD METER ENCLOSURE

STD MB WL

STD MB SS

STD MB WL
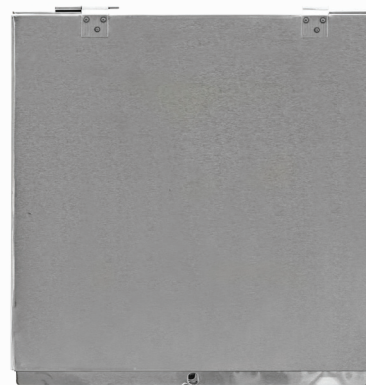
STD MB SS

PART NUMBER	DESCRIPTION	SIZE (W x H x D)
STD MB WL	LUME	610 x 610 x 270
STD MB NL	NO LUME	610 x 610 x 270
STD MB XTRA DEEP	EXTRA DEEP	610 x 610 x 300
STD MB SS	316 GRADE STAINLESS STEEL	610 x 610 x 270

PRODUCT DETAILS

OUR STANDARD METER BOXES FEATURE

- 1.2 mm Galvanised steel.
- Hinged 6 mm Bakelite panel standard drilled for single phase meter protection device and meter.
- IP55 Weatherproof.
- Robust construction.
- Provision for Padlock facility.
- Powder coating is additional.
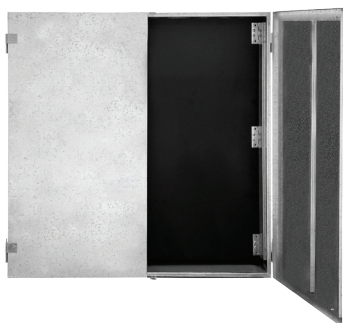- As an option, internally wired to your specifications.

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METER BOXES

MB 1200W x 1200H x 335D
(OPTIONAL T-HANDLE)

MB 1200W x 1200H x 335D

MB 1200W x 1200H x 335D

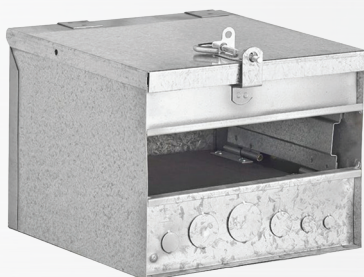
MB 1200W x 1200H x 335D

MB 640W x 960H x 330D

MB 640W x 960H x 330D

PART NUMBER	SIZE (W x H x D)
TBOX330 (With Slot)	330 x 330 x 260
TBOX480 (With Slot)	480 x 490 x 260
MB 330W x 340H x 260D	330 x 340 x 260
MB 480W x 490H x 260D	480 x 490 x 260
MB 640W x 800H x330D	640 x 800 x 330
MB 640W x 960H x 330D	640 x 960 x 330
MB 640W x 1200H x 330D	640 x 1200 x 330
MB 640W x 1510H x 330D	640 x 1510 x 330
MB 900W x 900H x 335D	900 x 900 x 335
MB 900W x 900H x 400D	900 x 900 x 400
MB 905W x 1205H x 330D	905 x 1205 x 330
MB 905W x 1510H x 330D	905 x 1510 x 330
MB 1200W x 1200H x 335D	1200 x 1200 x 335
MB 1200W x 1510H x 330D	1200 x 1510 x 330
MB 1530W x 1510H x 330D	1530 x 1510 x 330
MB 1840W x 1510H x 330D	1840 x 1510 x 330
MB 2440W x 1510H x 330D	2440 x 1510 x 330

PRODUCT DETAILS

OUR METER BOXES FEATURE

- Hinged 6 mm Bakelite panel standard.
- IP54 Weatherproof.
- Internal gear tray for mounting links only for option 2 and 3.
- Robust construction.
- Provision for Padlock facility.
- Powder coating is an additional option.
- Stainless steel design is available on request.
- 3 point lock system available on request.
- Item – MB 2440x1510x330 features three doors.
- For the larger type boards, Hinged or internal fixed panels are available for various wiring arrangements.

MB 330W x 340H x 260D

TBOX330 (WITH SLOT)

CUSTOM STEEL ENCLOSURES

BOX NB12

BOX NB12

BOX NB2

BOX NB CUSTOM

MADE TO ORDER (ETA: 2-4 WEEKS)

WITH BACK

PART NUMBER	SIZE (W x H x D)
BOX WB1	600 x 600 x 330
BOX WB2	600 x 900 x 330
BOX WB3	600 x 1200 x 330
BOX WB4	600 x 1500 x 330
BOX WB5	600 x 1800 x 330
BOX WB6	600 x 2400 x 330
BOX WB7	900 x 900 x 330
BOX WB8	1200 x 900 x 330
BOX WB9	1200 x 1200 x 330
BOX WB10	1200 x 1500 x 330
BOX WB11	1200 x 1800 x 330
BOX WB12	1200 x 2400 x 330
BOX WB13	1500 x 1500 x 330
BOX WB14	1500 x 1800 x 330
BOX WB15	1500 x 2400 x 330
BOX WB16	1800 x 1800 x 330
BOX WB17	1800 x 2400 x 330
BOX WB18	2400 x 2400 x 330

WITHOUT BACK

PART NUMBER	SIZE (W x H x D)
BOX NB1	600 x 600 x 330
BOX NB2	600 x 900 x 330
BOX NB3	600 x 1200 x 330
BOX NB4	600 x 1500 x 330
BOX NB5	600 x 1800 x 330
BOX NB6	600 x 2400 x 330
BOX NB7	900 x 900 x 330
BOX NB8	1200 x 900 x 330
BOX NB9	910 x 1220 x 330
BOX NB10	910 x 1530 x 330
BOX NB11	910 x 2000 x 330
BOX NB12	1220 x 1220 x 330
BOX NB13	2440 x 1500 x 330
BOX NB14	1500 x 1500 x 330
BOX NB15	1800 x 1800 x 330
BOX NB16	1500 x 2400 x 330

PRODUCT DETAILS

OUR STEEL ENCLOSURES FEATURE

- 1.2mm galvanised steel.
- IP54 Weatherproof.
- Steel Enclosures are empty inside.
- Robust construction.
- Available with Back and No Back.
- Custom sizes available on request.
- Powder coating is an addition.
- Three-point lock system available on request.
- Internal hinge panels available on request.
- Stainless steel is available.
- Gear tray is an addition.
- Measurements 1200 and up have 2 doors.

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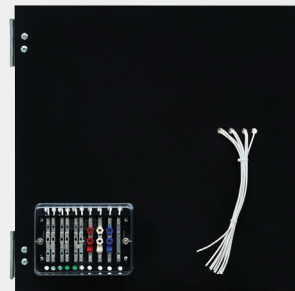**Boards and Products**

PANEL SURROUNDS

PS 24X24X4

PS 24X24X4

PS 48X24X6

CT-PS 24X24X4

PART NUMBER	SIZE (W x H x D)
PS 12x12x4	300 x 300 x 100
PS 12x12x6	300 x 300 x 150
PS 18x18x4	450 x 450 x 100
PS 18x18x6	450 x 450 x 150
PS 24x24x4	600 x 600 x 100
CT-PS 24x24x4	600 x 600 x 100
PS 24x24x6	600 x 600 x 150
PS 36x24x6	600 x 900 x 150
PS 48x24x6	600 x 1200 x 150

PRODUCT DETAILS

OUR PANEL SURROUNDS FEATURE

- 0.9 mm thickness.
- Galvanised.
- Manufactured in Sydney.
- PS 36x24x6 and PS 48x24x6 available with handles.
- 6 Knockouts - up to 600x600 panel surrounds 1x50mm, 1x45mm, 1x32mm 1x25mm, 1x20mm, 1x15mm.
- Panel Surrounds can also be made to custom sizes – Please contact our office.
- CT-PS 24x24x4 is drilled out for CT Meter, fitted with test block and wired.

BAKELITE PANEL

| PART NUMBER	SIZE (W x H)
BP 300×300	300 x 300
BP 450×450	450 x 450
BP 575×565	575 x 565
BP 575×565 W/HINGE	575 x 565
BP 610×610	610 x 610
BP 610×910	610 x 910
BP 610×1200	610 x 1200
BP 360×780	360 x 780
BP 670×120	670 x 120

PRODUCT DETAILS

- 6mm thick and long lasting.
- They are high resistance and have durable insulating properties.
- Our panels come in standard sizing.
- Our panels can also be custom cut to your measurement. Please call the office for a quote.
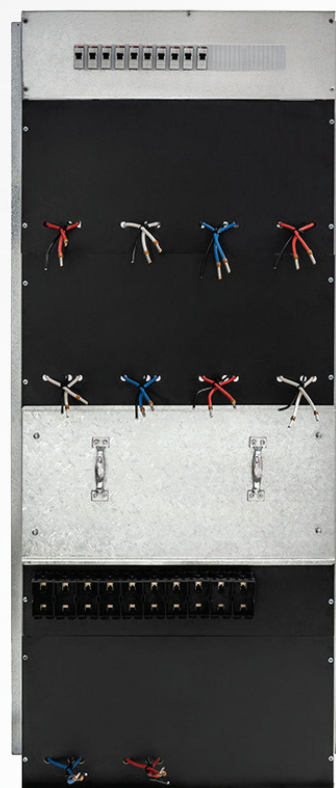
ECHO
Boards and Products

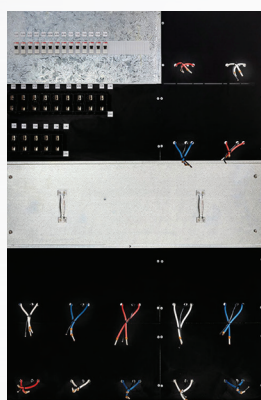## METER PANELS & FUSE CHASSIS METER PANELS

SB1
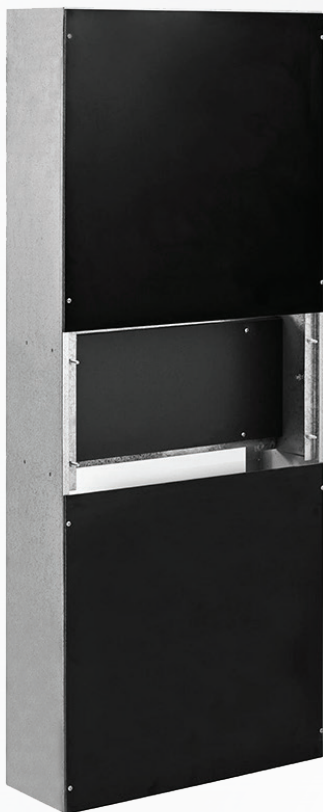
SB1

SBW12-10-WAY

SBW12-10-WAY

SBW16-14-WAY
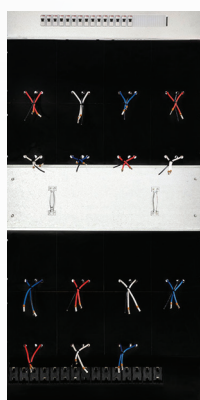
SBW16-15-WAY
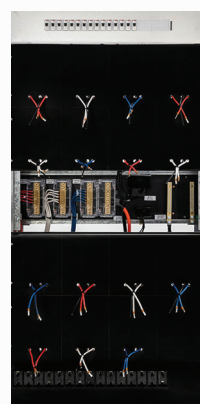
SBW16-15-WAY

SBWFC-16-15 WAY

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PRODUCT DETAILS

OUR METER PANELS FEATURE

- Current ratings from 100A to 630A.
- Service protection device can be installed, as well as wired safety service section to AS3000.
- Adaptable tee-off/cable riser section for cable risers greater than 150mm2.
- Filler panel included for mounting links and cable access.
- Fuse chassis arrangements also available.
- Built to Energy Authority requirements, AS3000.
- 1.2mm Galvanised, Wall mount, IP40.
- Top and bottom slots for cable access available.
- Tenancy labelling and shop drawings available.
- Lip in or lip out to aid in mounting and placement.
- Weatherproof capability optional.
- Powder coating is an addition however we must be contacted.
- All wired switchboards have a DIN rail section and include side flanges the only aspect that varies between them is the size and way its wired (WW).
- All non wired meter panels can be drilled to your specification.

OUR FUSE CHASSIS FEATURE

- Wall mount, IP40, 1.2mm powder coated, or galvanised with backing.
- Fitted with Fuse Chassis and links to suit cable riser up to 400mm2.
- Bottom and top Bakelite panels for cable access.
- Internally wired.
- Built to energy retailers requirements.
- Built to NSW service and installation rules.
- Specifically created to suit your requirements.
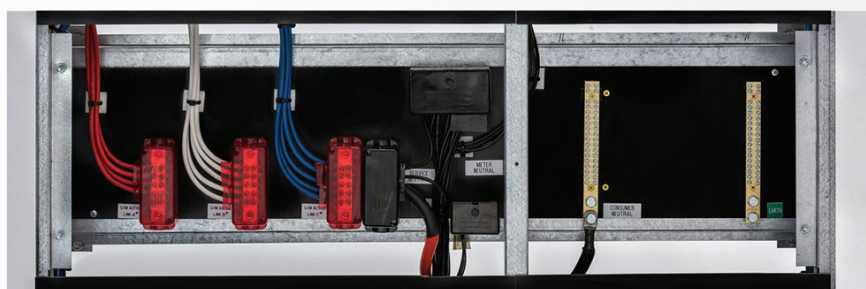
FUSE CHASSIS METER PANEL

PART NUMBER	
SBWFC – 12-6-way	SBWFC – 16-12-way
SBWFC – 12-7-way	SBWFC – 16-13-way
SBWFC – 12-8-way	SBWFC – 16-14-way
SBWFC – 12-9-way	SBWFC – 16-15-way
SBWFC – 12-10-way	SBWFC – 16-16-way
SBWFC – 16-11-way	

WIRED

PART NUMBER	SIZE (W x H x D)
SBW9-4-way	610 x 1530 x 200
SBW9-5-way	660 x 1530 x 200
SBW9-6-way	660 x 1530 x 200
SBW9-7-way	660 x 1530 x 200
SBW9-8-way	660 x 1530 x 200
SBW9-9-way	660 x 1530 x 200
SBW12-10-way	800 x 1530 x 200
SBW12-11-way	850 x 1530 x 200
SBW12-12-way	850 x 1530 x 200
SBW16-11-way	1010 x 1530 x 200
SBW16-12-way	1010 x 1530 x 200
SBW16-13-way	1050 x 1530 x 200
SBW16-14-way	1050 x 1530 x 200
SBW16-15-way	1050 x 1530 x 200
SBW16-16-way	1050 x 1530 x 200
SBW18-16-way	1220 x 1530 x 200
SBW18-17-way	1270 x 1530 x 200
SBW18-18-way	1270 x 1530 x 200
SBW22-19-way	1470 x 1530 x 200
SBW22-20-way	1470 x 1530 x 200
SBW22-21-way	1470 x 1530 x 200
SBW22-22-way	1470 x 1530 x 200
SBW24-22-way	1600 x 1530 x 200
SBW24-23-way	1650 x 1530 x 200
SBW24-24-way	1650 x 1530 x 200

NON WIRED

PART NUMBER	SIZE (W x H x D)
SB1	610 x 1530 x 200
SB2	910 x 910 x 200
SB3	910 x 1220 x 200
SB4	910 x 1530 x 200
SB5	1220 x 1220 x 200
SB6	1220 x 1530 x 200
SB7	1530 x 1530 x 200
SB8	1830 x 1530 x 200
SB9	2440 x 1530 x 200
SB10	610 x 2000 x 200
SB11	910 x 2000 x 200
SB12	1220 x 2000 x 200
SB13	610 x 1220 x 200
SB14	800 x 1530 x 200

CUSTOM MAIN SWITCHBOARDS

PRODUCT DETAILS

OUR CUSTOM DESIGNED SWITCHBOARDS FEATURE

- Floor standing or wall mount.
- Form 1, 2a, 2b, 3a, 3b, 3bih.
- Fault rating from 6ka to 50ka.
- IP40 to IP56 with optional IP66.
- Current Ratings from 400A to 3200A.
- Manufactured from electro gal, galvanised or stainless steel.
- Metal thickness from 1.6mm to 3mm.
- 75 or 100mm galvanised channel iron plinths.
- Built to latest Energy Authority rules and regulations.
- Designs to Australian standards AS/NES in construction & wiring.
- Custom designed from single line diagrams to constructed cabinets.
- Supply authority time study curves, grading and discrimination curves.
- Customer co-ordination from supply authorities to final customer requirements.
- Shop drawings available for energy authority and client approvals.
- Wired assembly tested to AS61439.1 and AS61439.2.

- **SWITCHBOARDS ARE BUILT TO CUSTOMER SPECIFICATIONS**

APPROVED

WIRED ASSEMBLY TESTED TO AS61439.1 AND AS61439.2 UP TO 3200 AMPS

PLUS·ES

Certificate

Selected Verification Tests

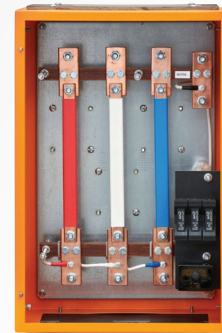# CT CHAMBERS AND SERVICE PROTECTION DEVICES

CT 200

CT 200

CT 200

CT 250/400/630
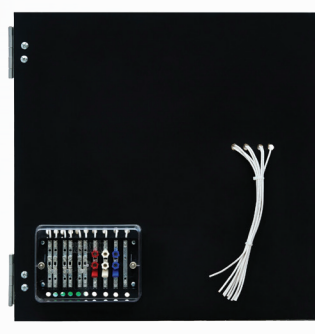
SPD 250

SPD 250

SPD 400/630
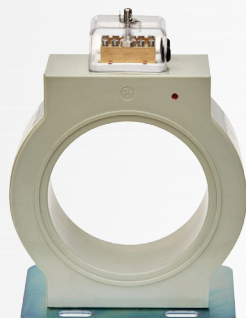
CT-PS 24X24X4

CT COMBO 200

CT COMBO 200

CT S-TYPE

CT T-TYPE

CT W-TYPE

TEST BLOCK

TEST BLOCK

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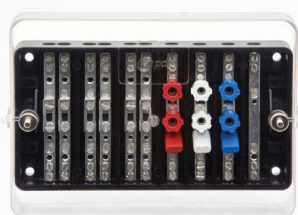
PRODUCT DETAILS

OUR CT CHAMBERS FEATURE

- Grey or orange metal hinged enclosure.
- Remote CT Chambers up to 630A and wall mount.
- Submission of Design and grading curves to the Energy Authorities is included.
- Mounted Service protection devices with CT Chamber also available.
- Meter panel and surround with test block available part of the board or remote mounted.

OUR SPD'S FEATURE

- SPD 250- 100-250A Electronic 3P circuit breaker.
- SPD 400- 160-400A Electronic 3P circuit breaker.
- SPD 630- 252-630A Electronic 3P circuit breaker.

OUR SERVICE PROTECTION DEVICES COMBINED WITH CT CHAMBERS FEATURE

- CT COMBO 200 – combination service protection device 200amp (SPD250) and 200amp ct chamber.
- S type CT'S supplied and installed. Panel and surround and test block supplied loose. Internally wired and wall mount.
- CT COMBO 250 – combination service protection device 250amp (SPD250) and 250amp ct chamber.
- T type CT'S supplied and installed. Panel and surround and test block supplied loose. Internally wired and wall mount.
- CT COMBO 400 – combination service protection device 400amp (SPD400) and 400amp ct chamber.
- T type CT'S supplied and installed. Panel and surround and test block supplied loose. Internally wired and wall mount.
- CT COMBO 630 – combination service protection device 630amp (SPD630) and 630amp ct chamber.
- T type CT'S supplied and installed. Panel and surround and test block supplied loose. Internally wired and wall mount.

CT CHAMBER ACCESSORIES

- Panel Surrounds.
- Drilled out for CT Meter, fitted with test block and wired.
- Metering Current Transformers.
- CTS - 'S' Type 200A, CTT - 'T' Type 400A, CTW - 'W' Type 800A.

CT CHAMBERS

PART NUMBER	SIZE (W x H x D)
CT 200	400 x 600 x 250
CT 400	500 x 600 x 250
CT 630	600 x 600 x 250
CT 800	800 x 800 x 300
CT 1000	800 x 1000 x 300

SERVICE PROTECTION DEVICES

PART NUMBER	SIZE (W x H x D)
SPD 250	400 x 600 x 250
SPD 400	400 x 600 x 250
SPD 630	400 x 600 x 300

PANEL SURROUNDS

PART NUMBER	SIZE (W x H x D)
PS 24x24x4	600 x 600 x 100
PS 24x24x6	600 x 600 x 150
CT-PS 24x24x4	600 x 600 x 100

CT COMBO'S

PART NUMBER
CT Combo 200
CT Combo 250
CT Combo 400
CT Combo 630

METERING CURRENT TRANSFORMERS

PART NUMBER
CT – S – Type
CT – T – Type
CT – W – Type

DISTRIBUTION BOARDS
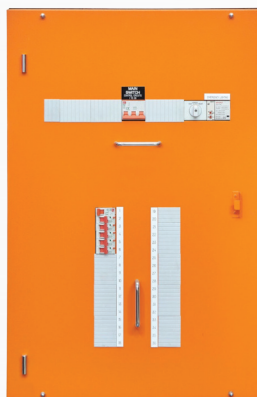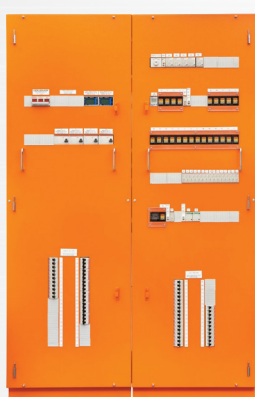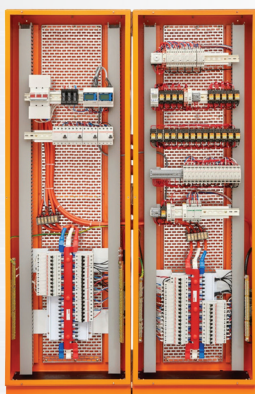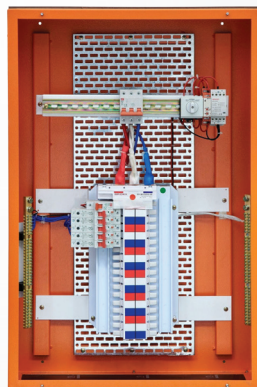
PRODUCT DETAILS

OUR DISTRIBUTION BOARDS FEATURE
- DIN type or Chassis type.
- Wall mount, IP42, Metal Powder coated.
- Ample DIN space up to 108P.
- Suitable for contractors that want to wire themselves, also available as a fully wired board.
- Split chassis and multiple chassis arrangements built to your specification.

OUR TYPICAL DISTRIBUTION BOARDS CHASSIS TYPE FEATURE
- Available in IP42 or IP40.
- Local 250A isolator, local light & power section MCB's, mechanical or other chassis available on request.
- 2 off 24 pole DIN rail sections (lighting control equipment) extra DIN rail section can be added for an extra cost.
- Pre-wired digital power meters for Light, Power and other sections.
- Wall mounted, front connected.
- Painted your required colour.

OUR TYPICAL DISTRIBUTION BOARDS DIN TYPE FEATURE
- Available in IP42 or IP40.
- Local 250A isolator.
- 1 off 24 pole DIN rail sections (lighting control equipment).
- Pre-wired digital power meters for Light, Power and other sections.
- Wall mounted, front connected.
- Painted your required colour.

PART NUMBER
CHASSIS TYPE
DIN TYPE

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Boards and Products

TEE OFF BOXES

PART NUMBER	SIZE (W x H x D)
RTOB – 100f Thru	400 x 600 x 240
RTOB – 100f EOR	400 x 600 x 240
RTOB – 160f Thru	400 x 600 x 240
RTOB – 160f EOR	400 x 600 x 240
RTOB – 250f Thru	400 x 600 x 240
RTOB – 250f EOR	400 x 600 x 240
RTOB – 400f Thru	400 x 600 x 240
RTOB – 400f EOR	400 x 600 x 240

RISING MAIN CLAMPS

PART NUMBER	SIZE (W x H x D)
RMC55	32.5 x 57 x 52
RMC86	32.5 x 56 x 60
RMC104	39 x 70 x 56
CTO-3/11	36 x 45 x 24.5

CIRCUIT BREAKER PROTECTION

PART NUMBER
RTOB - CB Thru
RTOB - CB EOR

RTOB-CB EOR

RTOB-CB EOR

RTOB-250F EOR

RTOB-3CB EOR

RTOB-100F THRU

RTOB-250F EOR

RTOB-100F THRU

RTOB-100F EOR

PRODUCT DETAILS

OUR TEE OFF BOXES FEATURE

- RTOB – 100f Thru – Thru type, 3 x 100A BS88 fuse fittings c/w with 3 x 40A to 100A fuses.
- RTOB – 100f EOR – EOR type, 3 x 100A BS88 fuse fittings c/w with 3 x 40A to 100A fuses and 4 x copper busbar.
- RTOB – 160f Thru – Thru type, 1 x 160A fuse disconnect complete with 3 x 80A to 160A din fuses.
- RTOB – 160f EOR – EOR type, 1 x 160A fuse disconnect complete with 3 x 80A to 160A din fuses and 4 x copper busbar.
- RTOB – 250f Thru – Thru type, 1 x 250A fuse disconnect complete with 3 x 120A to 250A din fuses.
- RTOB – 250f EOR – EOR type, 1 x 250A fuse disconnect complete with 3 x 120A to 250A din fuses and 4 x copper busbar.
- RTOB – 400f Thru – Thru type, 1 x 400A fuse disconnect complete with 3 x 160A to 400A din fuse.
- RTOB – 400f EOR – EOR type, 1 x 400A fuse disconnect complete with 3 x 160A to 400A din fuse and 4 x copper busbar.

### OUR CIRCUIT BREAKER TEE OFF BOX

- Suitable with MCB & MCCB protection. We can use any brand of circuit breakers in order to discriminate with upstream protection devices.

CUSTOM FUSE TEE OFF BOXES

- Suitable for 6 x 100A BS88 Fuses.
- Suitable to mount 2x 160A , 1x 160A & 1x 250A or 1 x 400A fuse disconnects together.

OUR RISING MAIN CLAMPS

- The Clamps that we sell are all designed to be compliant to AS4325.1 standards. They are all used in multi-level buildings where a tee-off from a main conductor is connected to the main switchboard of each floor. Made from High Strength Aluminium or Gunmetal, fitted with stainless steel hardware.
- RMC55 – Weighs 0.25kg, clamp to suit 35mm2 to 120mm2 rising main cable.
- RMC86 – Weighs 0.3kg, clamp to suit 150mm2 to 240mm rising main cable.
- RMC104 – Weighs 0.45kg, clamp to suit 300mm2 to 400mm2 rising main cable.
- CTO-3/11 – Weighs 0.12 kg, clamp to suit 6mm2 to 70mm2 rising main earth cable.
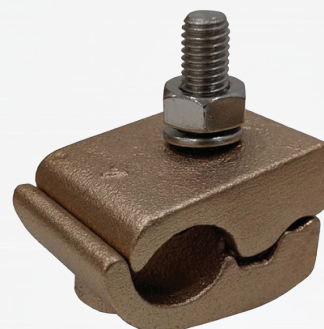
RMC104

TERMINATION BOX

TER250

TER250

PART NUMBER	SIZE (W x H x D)
TER250	600 x 600 x 300
TER400	600 x 600 x 300
TER630	600 x 600 x 300

PRODUCT DETAILS

OUR IP65 TERMINATION BOX FEATURES

- 4 Copper Bus bars with phase barriers and a cover shroud.
- Other Sizes Available on Request.
- Contact us if a 3rd cable needs to be provided.
- TER250 – grey, rated 250amp.
- TER400 – grey, rated 400amp.
- TER630 – grey, rated 630amp.

METAL ENCLOSURES

CM116


CM232

CM348

CM116

CM232

CM348

PART NUMBER	SIZE (W x H x D)
CM116	320 x 120 x 440
CM232	470 x 120 x 440
CM348	630 x 120 x 440
CM464	790 x 120 x 440
CM580	950 x 120 x 440
CM696	1110 x 120 x 440

PRODUCT DETAILS

OUR METAL ENCLOSURES FEATURE

- IP42.
- Neutral and Earth bars.
- A removable front cover with (optional) lockable cover.
- Ideal for House power distribution.
- CM116 includes 16 Poles and 1 row.
- CM232 includes 32 Poles and 2 rows.
- CM348 includes 48 Poles and 3 rows.
- CM464 includes 64 Poles and 4 rows.
- CM580 includes 80 Poles and 5 rows.
- CM696 includes 96 Poles and 6 rows.

ECHO
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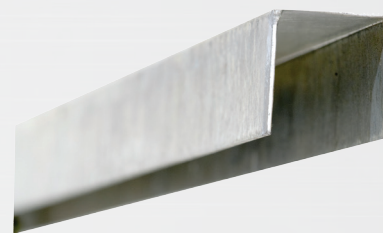
UGOH CHANNELS

PART NUMBER	SIZE (W x H x D)
UG5030	55 x 3000 x 55
UG8030	80 x 3000 x 80
SADDLE50	
SADDLE80	

PRODUCT DETAILS

OUR UGOH CHANNELS FEATURE

- They all require 3 saddles.
- 2.0mm thick.
- Hot Dipped Galvanised.
- Custom design covers available for indoor or outdoor electrical installations.
- Suitable to protect service mains.
- Other sizes available on request.

CONDUIT COVERS
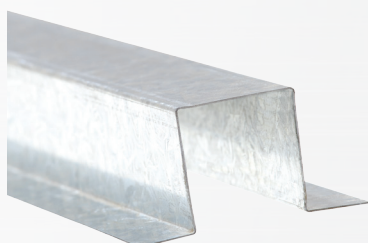
PRODUCT DETAILS

OUR CABLE COVERS FEATURE

- Cable Cover available minimum 0.9mm thick, Galvanised
- Custom design covers available for indoor or outdoor electrical installations
- Suitable to protect service mains, trays and voids.
- Made to specification and drawing
- Stainless steel available on request
- Powder Coating option

PART NUMBER	SIZE (W x H x D)
CC 50x1220x50	50 x 1220 x 50
CC 75x1220x75	75 x 1220 x 75
CC 100x1220x100	100 x 1220 x 100
CC 50x2440x50	50 x 2440 x 50
CC 75x2440x75	75 x 2440 x 75
CC 100x2440x100	100 x 2440 x 100

PERFORATED TRAYS

CT 100   CT 150   CT 225   CT 300   CT 450
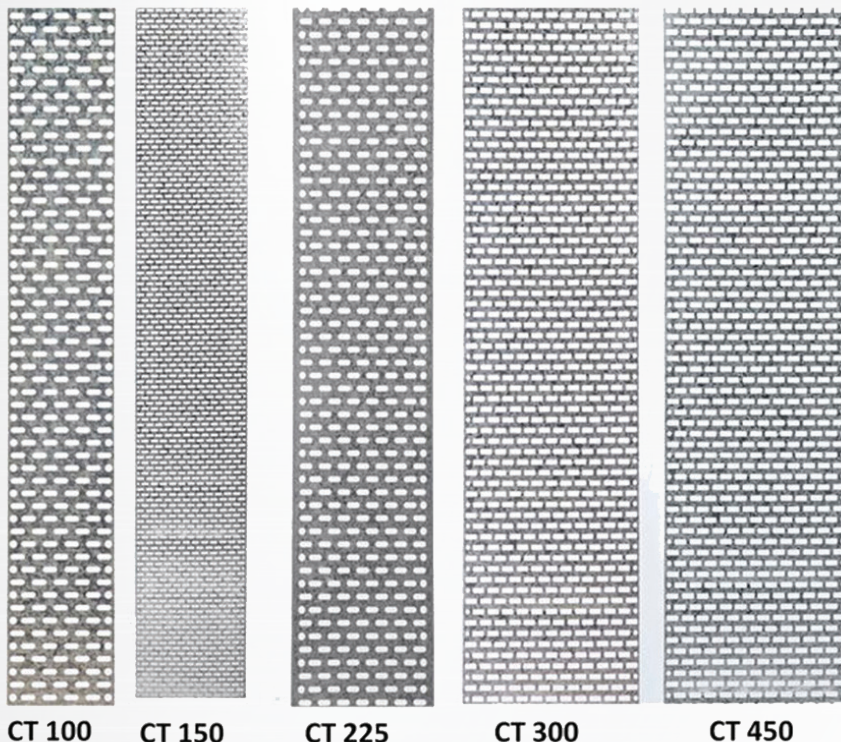
PART NUMBER	SIZE (mm)
CT 100MM	100
CT 150MM	150
CT 225MM	225
CT 300MM	300
CT 450MM	450

PRODUCT DETAILS

OUR PERFORATED CABLE TRAYS FEATURE

- 0.9 thickness.
- 2400mm length.
- Reliable and long lasting.
- Made with a resistant surface.

TAP OFF CONNECTORS

| PART NO.	MAINS CABLE	BRANCH CABLE	NO. OF BOLTS
TTD051XFA	16 to 95mm	1.5 to 10mm	1
TTD101XFA	6 to 54mm	6 to 35mm	1
TTD151XFA	16 to 95mm	6 to 35mm	1
TTD201XFA	35 to 95mm	25 to 95mm	1
TTD241XFA	50 to 150mm	6 to 35mm	1
TTD251XFA	50 to 150mm	35 to 95mm	1
TTD301XFA	25 to 95mm	25 to 95mm	1
TTD351XFA	50 to 150mm	35 to 95mm	1
TTD401XFA	50 to 185mm	50 to 150mm	1
TTD431XFA	70 to 240mm	16 to 95mm	1
TTD451XFA	95 to 240mm	95 to 240mm	1
TTD551FJA	120-380mm	95 to 240mm	1

PRODUCT DETAILS

OUR TAP OFF CONNECTORS FEATURE

- Insulated piercing type.
- Provide a fully sealed waterproof connection.
- Very convenient as there is no need to strip cable to make the connection.
- Tested to AS4396.
- Reliable method of connecting low voltage mains- Mains Cable (mm2) – Up to 380mm2.
- Tap off Cable (mm2) – Up to 240mm2.
- Torque controlling shear heads on all bolts.
- Captive end cap for protection of tap cable, which can be mounted on either side.
- Fully bimetallic.
- Stainless steel fasteners.

ELECTRICAL ACCESSORIES
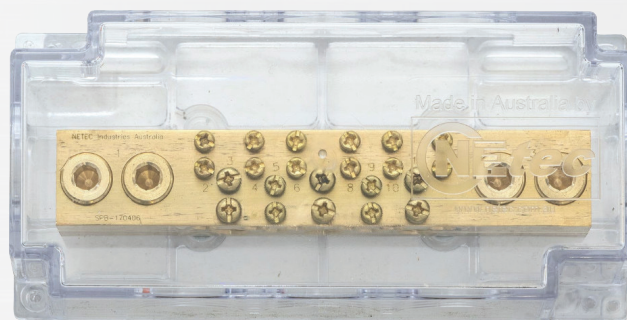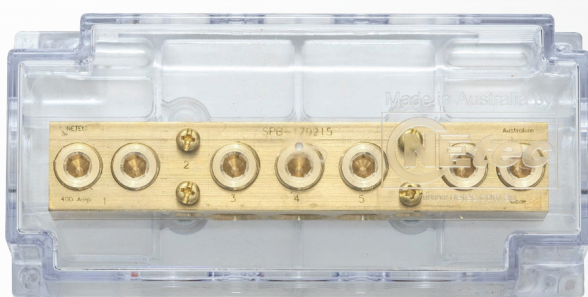
PART NUMBER
SURGE DIVERTER
PRIVATE METER
SINGLE PHASE PRIVATE METER
CSL- AN400
CSL- SPB-170215

PRODUCT DETAILS

OUR ELECTRICAL ACCESSORIES INCLUDE SURGE DIVERTER
- Protect your equipment from over voltage by using a surge diverter. They have replaceable modules and failure indications.

3 PHASE PRIVATE METER
- Three phase direct and CT connect digital KWH meters.

SINGLE PHASE PRIVATE METER
- Single phase direct connect digital KWH meter.

COVERED SEALED LINKS AN400
- 2x185mm2, 2x3x50mm2, 8x16mm2.
- 400A 13 hole covered link clear.

SPB-170215
- 185mm2 Max.
- 7 hole covered link clear.

NOTES:

"When I'm sick the doctors fix my body & Camp Quality, fixes my smile"

A Camp Quality child living with cancer

WE RAISE FUNDS TO SUPPORT CHILDREN IMPACTED BY CANCER, AND THEIR FAMILIES

ECHO BOARDS AND PRODUCTS HAS BEEN A PROUD SUPPORTER OF CAMP QUALITY SINCE JULY 2015. WE SUPPORT THEIR INNOVATIVE PROGRAMS AND SERVICES WHICH DEVELOP LIFE SKILLS AND STRENGTHEN WELLBEING IN CHILDREN 0-13 IMPACTED BY CANCER, WHETHER THEIR OWN DIAGNOSIS, OR THE DIAGNOSIS OF SOMEONE THEY LOVE (PARENT, CARER OR SIBLING).

WE HAVE BEEN ACTIVELY FUNDRAISING THROUGH CAMP QUALITY esCarpade, AUSTRALIA'S HAPPIEST AND WACKIEST OUTBACK MOTORING ADVENTURE.

Proudly Supporting

camp quality.

VFFA

Volunteer Fire Fighters Association

ECHO
Boards and Products

A family owned business since 1988, the team at Echo Boards & Products are commited to the manufacturing and supply of high quality Australian Owned and Australian Made boards, boxes and steel products.

Who We Are
Established in 1988 as Echo Metal Products, our business has remained family owned, upholding our strong values, high quality products and commitment to our clients under new ownership as of July 2015 and renamed as Echo Boards and Products. Echo Boards and Products currently has a team of 15 dedicated staff.

What We Do
Echo Boards & Products leads the industry in supplying custom build and standard steel products to builders, wholesalers and electricians. Our custom made hand crafted boxes can be built to specification to suit your requirements.

What We Stand For
Our custom products are all made here in Australia with Australian labor and the highest level safety standards. A safe, fair trade and ethical workplace sits at the core of our business values as an Australian manufacturer and supplier.

Echo Boards & Products supplies wholesalers, builders and electricians alike with both custom and standard steel products.

Custom Built
While we have our stock product range, we are able to custom build to your requirements.

Australian Made
Our products are made here in Australia, with workplace safety a priority.

Family Owned
Echo Boards & Products have been a family owned business since 1988.