

PRODUCT DATA SHEET



Box Type ABS Plastic Enclosure BE BT CSPCXXXXXX XXX

SPECIFICATION

Material	High-impact acrylonitrile butadiene styrene (ABS) body and cover
Body thickness	3.0 mm
Mounting plate	3.0mm
Gland plate	N/A
Surface finish	UV-resistant, fine-textured matte finish with uniform color and low-glare Light Grey, RAL 7035 or equivalent
Lock	Hook Latch
Door gasket	Injected Polyurethane
Construction	Injection Molded
Ingress/impact rating	IP65, IK08
Temperature Range	-20°C to +80°C
Rated Voltage	415V, 230V AC
Flammability	Standard or flame-retardant grades available

APPLICATION

BiigEnergy BOX TYPE enclosures are designed for harsh industrial environments, providing robust protection for electrical and instrumentation components indoor and outdoor areas. Its non-conductive, corrosion-resistant construction makes it suitable for control stations, terminal assemblies, sensors, relays, small distribution equipment and instrumentation interfaces. The enclosure can be supplied empty or customized with cut-outs, mounting hardware, labels, terminals and control devices.

Typical applications include:

- Local Control Stations (LCS)
- Marshalling Panels
- Instrument Junction & Terminal Boxes
- Power Junction Boxes
- Distribution Panels

Suitable for applications with rated current < 630 A or 20 kA fault rating (typical).

INCLUDED ACCESSORIES

- Slotted ABS Backing Plate

COMPLIANCE

- **IP rating:** IP66 rated, NEMA 4X — IEC 60529 (Degrees of Protection)
- **Wind rating:** Region D — AS/NZS 1170.2-2002
- **Wiring rules:** AS/NZS 3000:2018
- **Switchgear assemblies:** AS/NZS 61439.1:2016 (LV switchgear and control gear assemblies — General rules)
- Manufactured and tested in accordance with **IEC 62208 / AS/NZS 62208** for empty enclosures, suitable for use in low-voltage switchgear and control gear assemblies.

Warranty. BiigEnergy warrants its products for 5 years from the date of purchase against defects in workmanship, materials, and design. This warranty does not cover normal wear and tear, corrosive environments, salt-air electrochemical corrosion, misuse, lack of care, incorrect installation, or inadequate maintenance. It also excludes damage caused by events beyond BiigEnergy's control, including fire, flood, natural disasters, terrorism, and external accidents. BiigEnergy will repair, modify, or replace defective components at its discretion, with replacement parts supplied within a reasonable timeframe. Liability under this warranty is limited to the wholesale purchase value of the product. Any unauthorized modification or repair will void this warranty. Warranty claims must be submitted within 5 years of purchase and must include proof of purchase, place of purchase, defect details, date the defect arose, and contact information.

ORDERING GUIDE

Box Type Carbon Steel Enclosure Powder Coated Grey



Enclosure ID	Enclosure Name	H (mm)	W (mm)	D (mm)	Weight (kg)
BE BT ABS15010070 WHT	Box Type ABS Plastic Enclosure White	150	100	070	0.6
BE BT ABS20010070 WHT	Box Type ABS Plastic Enclosure White	200	100	070	0.8
BE BT ABS15015090 WHT	Box Type ABS Plastic Enclosure White	150	150	090	0.9
BE BT ABS220170110 WHT	Box Type ABS Plastic Enclosure White	220	170	110	1.6
BE BT ABS285190140 WHT	Box Type ABS Plastic Enclosure White	285	190	140	2.6
BE BT ABS330330130 WHT	Box Type ABS Plastic Enclosure White	330	330	130	4.3
BE BT ABS390290160 WHT	Box Type ABS Plastic Enclosure White	390	290	160	5.2



Contact us for an obligation-free quote tailored to your project requirements.



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Design and Built Philosophy

BiigEnergy Local Control Stations are designed to provide safe, reliable, and operator-friendly field control for industrial equipment in harsh Australian environments. The design philosophy is centered on personnel safety, functional simplicity, durability, and compliance, ensuring that operators can start, stop, isolate, and monitor equipment with confidence.
