

PRODUCT DATA SHEET

BIIG
ENERGY
FINEST ENGINEERING



CE



BE BT CSPC505025 GRY

Box Type Carbon Steel Enclosure Powder Coated Grey 500x500x250 (HxWxD)

SPECIFICATION

Material	Carbon Steel
Body thickness	1.0 mm
Mounting plate	1.0 mm Carbon Steel, powder coated grey
Gland plate	1.5 mm Carbon Steel
Weight	12.075 Kg
Surface finish	Powder coated Grey
Lock	Chrome Quarter turn lock 50mm Double Bit
Bonding earth	6 mm GY
Door gasket	Injected Polyurethane
Construction	Fully welded
Ingress/impact rating	IP66, IK10
Door earth bond	Included
Rated Voltage	415V AC
Rated Current	630A AC
Fault Current Rating	20 kA AC

APPLICATION

BiigEnergy BOX TYPE Carbon Steel powder coated enclosures are designed for harsh industrial environments, providing robust protection for electrical and instrumentation components indoor/outdoor and washdown areas. Products are manufactured to high Quality and Environmental Standards.

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

Wall Mounting Set: 4xM6 Nut, 4xBracket

Earth Stud Marking Sticker: 3

Plastic/Silicon Hole Plug: 4xM8, 4xM6

Panel Key double bit (NOS): x1

Silicon O Rings: 12xM6

Gland Plate Screws: M5x8

COMPLIANCE

- IP rating:** IP66 rated — 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.

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