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NON METALLIC ENCLOSURES



**BCH
ELECTRIC
LIMITED**

INTRODUCTION TO PLASTICS & CHARACTERISTICS

Different type of Plastic used in market for manufacturing plastic components, below is the brief introduction of different type of plastic and there application for different products.

1 PET	02 PE-HD	03 PVC	04 PE-LD	05 PP	06 PS	07 O
Polyethylene terephthalate	Polyethylene (high density)	Polyvinyl chloride	Polyethylene (low density)	Polypropylene	Polystyrene	Bisphenol A and others
PET is commonly used in commercially sold water bottles, soft drink bottles, sports drink bottles, and condiment bottles.	HDPE is commonly used in milk and juice bottles, detergent bottles, shampoo bottles, grocery bags, and cereal box liners.	PVC can be flexible or rigid, and is used for plumbing pipes, clear food packaging, shrink wrap, plastic children's toys, tablecloths, vinyl flooring, children's play mats, and blister packs (such as for medicines).	LDPE is used for dry cleaning bags, bread bags, newspaper bags, produce bags, and garbage bags, as well as "paper" milk cartons and hot/cold beverage cups.	PP is used to make yogurt containers, deli food containers, furniture, luggage and winter clothing insulation.	PS, also popularly known as Styrofoam, is used for cups, plates, take-out containers, supermarket meat trays, and packing peanuts.	Any plastic item not made from the above six plastics is lumped together as a #7 plastic. things like CD's baby bottles and headlight lens.
						

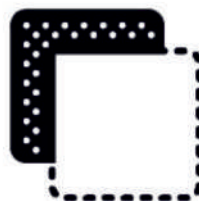
Characteristic of SMC/FRP vs Polycarbonate

Characteristic	SMC / FRP	Polycarbonate
Type	Thermosetting	Thermoplastic
UV Resistant	Becomes Brittle over time	Has excellent UV Resistance
Machinability	Releases Glass Fibers on Machining	Easily Machinable on site
Complex Design	Not Possible	Ability to form complex geometries
Molding Process	Compression Molding	Injection Molding
Recyclable	No	Yes
Weight	Heavier than PC	Lighter than SMC

FEATURE & PROPERTIES OF BCH MAKE NON METALLIC ENCLOSURE



DUST AND WATER RESISTANT



AVAILABLE IN OPAQUE AND
TRANSPARENT COVERS



IMPACT RESISTANT IK08/09



SELF EXTINGUISHING



ELECTRICALLY INSULATED



ROBUST AND STRONG



WITH SOFT EDGES



MADE OF NON HAZARDOUS
MATERIALS



MADE USING SUSTAINABLE
PLASTICS



RUST PROOF

INBUILT HINGED DOOR ENCLOSURE (T1)



Technical Specifications:

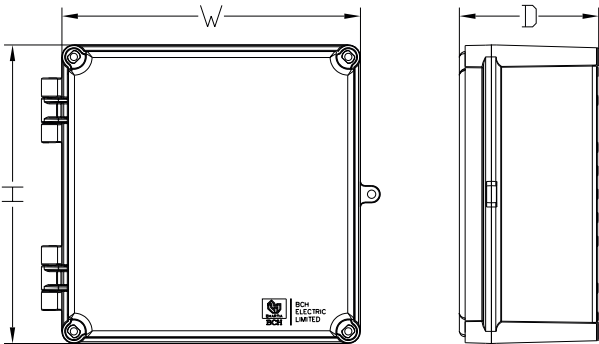
- Enclosure with In built hinges for front door
- Pad locking provision for front door
- Suitable for wall & pole mounting
- Front door locked with rust proof hardware
- Silicon Gasket between enclosure and front door for sealing
- Suitable for Solar Applications
- Protection Category IP-67
- Available with 3 different variants

BIL-AB: Box & front door both in ABS

BIL-AP: Box in ABS & front door in transparent Polycarbonate

BIL-PC: Box & front door both in Polycarbonate

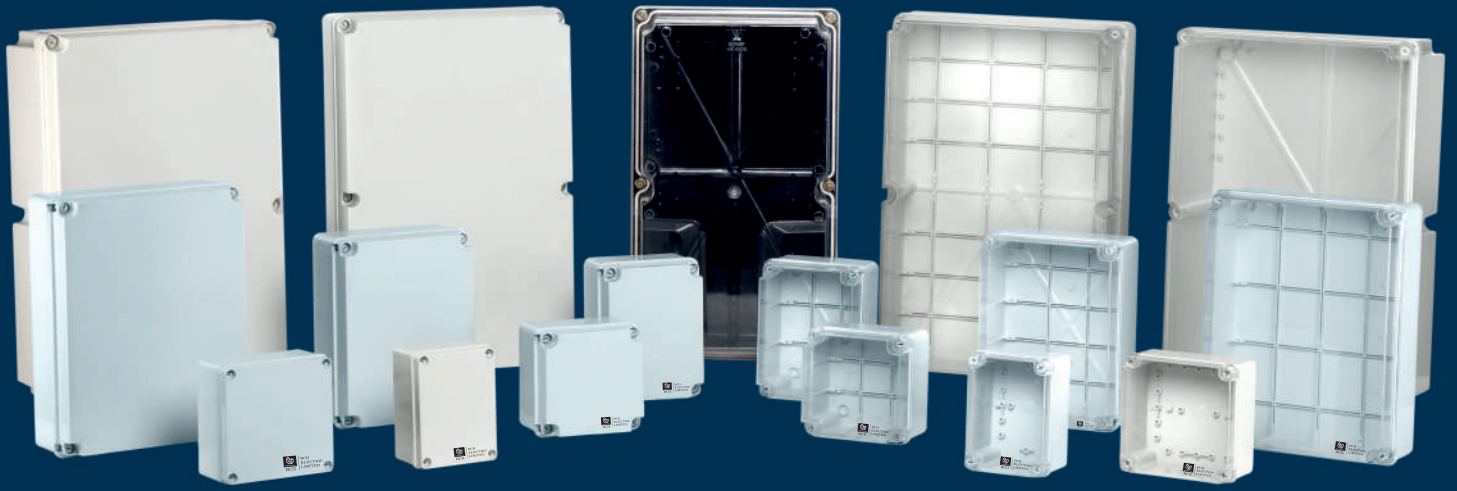
Cat Code	Dimensions W X L X D
BIL-AB-1.01	210 X 257 X 90
BIL-AB-1.02	225 X 275 X 105
BIL-AB-1.03	200 X 280 X 140
BIL-AB-1.04	280 X 280 X 130
BIL-AB-1.05A	300 X 350 X 146
BIL-AB-1.05B	300 X 350 X 205
BIL-AB-1.06	644 X 674 X 277



APPLICATIONS



PLAIN WALLED INDUSTRIAL ENCLOSURE (T2)



Technical Specifications:

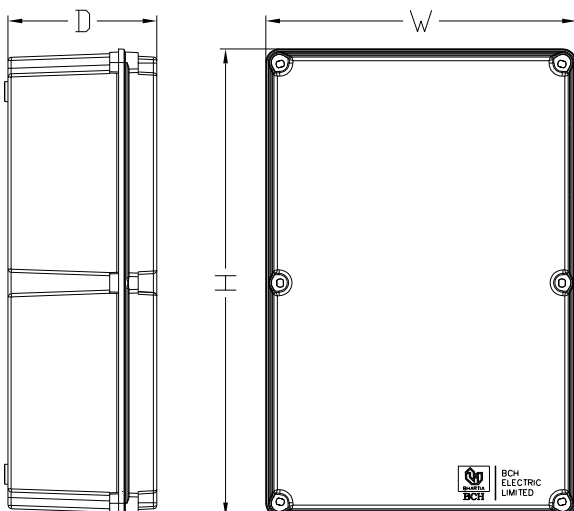
- Plain walled enclosures come along with front removable Cover
- Rust proof polyamide screw for front cover
- Equipped with parallel inner bush ribs for din channels Self-tapping screws
- Silicon Gasket between enclosure and front cover for sealing
- Suitable for Solar Applications like AIBs, ACDBs, DCDBs
- Protection Category IP-67
- Available with 3 different variants

BIL-AB: Box & front cover both in ABS

BIL-AP: Box in ABS & front cover in transparent Polycarbonate

BIL-PC: Box & front cover both in Polycarbonate

Cat Code	Dimensions W X H X D
BIL-AB-2.00A	130X180X100
BIL-AB-2.01A	180X180X100
BIL-AB-2.01	180X180X138
BIL-AB-2.02	180X240X138
BIL-AB-2.03	240X320X138
BIL-AB-2.04	320X420X138
BIL-AB-2.04B	320X420X210
BIL-AB-2.05A	420X640X160
BIL-AB-2.05B	420X640X210
BIL-AB-2.06	380X640X230



APPLICATIONS

MODULAR PANEL ENCLOSURE (T3)



Technical Specifications:

- Modular in nature and ideal for LV compartmentalized Panel
- Knock outs on box walls for bus bar and cables routing
- Molded silicon push lock jointing kits to maintain IP rating of enclosure
After joining each other
- Silicon Gasket between enclosure and front cover for sealing
- Can be joined in modules to make any size of electrical LV panel
- Protection Category IP-67
- Available with 3 different variants

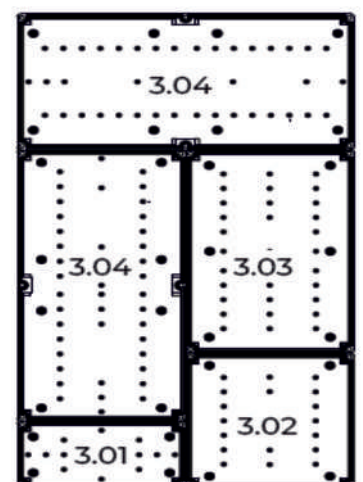
BIL-AB: Box & front cover both in ABS

BIL-AP: Box in ABS & front cover in transparent Polycarbonate

BIL-PC: Box & front cover both in Polycarbonate

Cat Code	Dimensions W X H X D
BIL-AB-3.01A	150X300X135
BIL-AB-3.01B	150X300X210
BIL-AB-3.02	300X300X210
BIL-AB-3.03	300X450X210
BIL-AB-3.04	300X600X210

APPLICATIONS



JUNCTION BOXES (T4)



Technical Specifications:

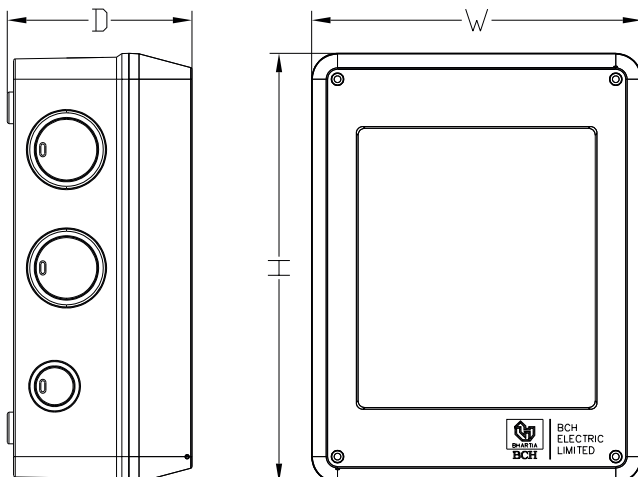
- Equipped with multiple knockouts to accommodate different size of cables
- Front cover fixes with SS304 screws
- No of inner bush for din rail fixing
- Silicon Gasket between enclosure and front cover for sealing
- Outside bushes provided to mount box without tampering enclosures to maintain IP rating
- Protection Category IP-67
- Available with 3 different variants

BIL-AB: Box & front cover both in ABS

BIL-AP: Box in ABS & front cover in transparent Polycarbonate

BIL-PC: Box & front cover both in Polycarbonate

Cat Code	Dimensions W X H X D
BIL-AB-4.01	90X90X54
BIL-AB-4.01B	100X100X60
BIL-AB-4.02	100X100X60
BIL-AB-4.02B	120X120X70
BIL-AB-4.03	110X140X70
BIL-AB-4.03B	120X150X80
BIL-AB-4.04	130X130X100
BIL-AB-4.04B	140X140X100
BIL-AB-4.05	130X170X80
BIL-AB-4.05B	140X180X100
BIL-AB-4.06	160X210X100
BIL-AB-4.07	210X260X120



POWER DISTRIBUTION BOXES WITH POLY CARBONATE WINDOW (T5)



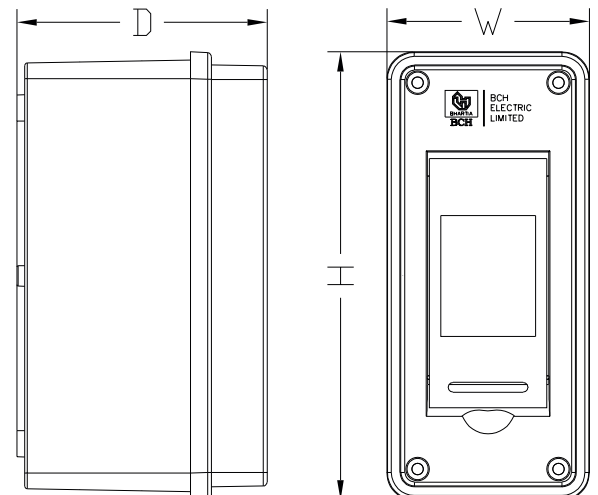
Technical Specifications:

- Suitable for wall or Pole mounting
- Polycarbonate hinged window for easy operation of MCB
- Number of horizontal inner bush for din rail fixing
- Rust proof SS304 screw for front cover fixing
- Silicon Gasket between enclosure and front cover for sealing
- Front cover fixed with rust proof SS304 screws
- Protection Category IP-65
- Available with single variant only

BIL-AP: Box in ABS & front cover in transparent Polycarbonate

Cat Code	Dimensions W X H X D	No of Ways
BIL-AP-5.01 Eco	98X138X75	2 WAY
BIL-AP-5.01B Eco	76X170X95	2 WAY
BIL-AP-5.01	100X225X100	2 WAY
BIL-AP-5.02 Eco	115X160X75	4 WAY
BIL-AP-5.02B Eco	118X170X95	4 WAY
BIL-AP-5.02	150X225X100	4 WAY
BIL-AP-5.03	225X225X100	8 WAY
BIL-AP-5.04	225X300X100	12 WAY
BIL-AP-5.05 A	300X400X100	12 WAY
BIL-AP-5.05	300X400X100	2 X 12 WAY
BIL-AP-5.06	300X600X100	3 X 12 WAY

APPLICATIONS



ENCLOSURE WITH EXTERNAL MOUNTING (T6)



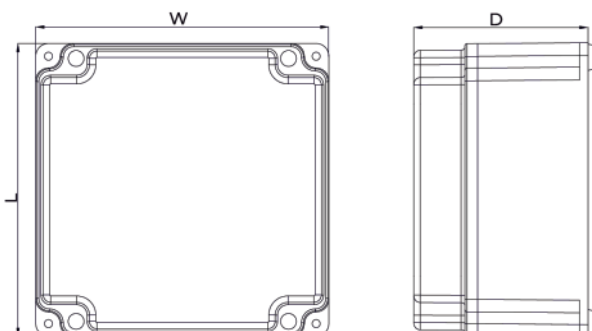
Technical Specifications:

- Provision of outside mounting on enclosure
- Suitable for heavy duty application like Bus bars, industrial plugs sockets & Solar application
- Number of horizontal inner bush for din rail fixing
- Rust proof SS304 screw for front cover fixing
- Silicon Gasket between enclosure and front cover for sealing
- Protection Category IP-67
- Available with two variants

BIL-AB: Box & front cover both in ABS

BIL-AP: Box in ABS & front cover in transparent Polycarbonate

Cat Code	Dimensions W X H X D
BIL-AB-6.01	98X138X68
BIL-AB-6.02A	98X200X60
BIL-AB-6.02B	98X200X82
BIL-AB-6.03	138X138X82
BIL-AB-6.04	138X225X68
BIL-AB-6.05	160X225X100
BIL-AB-6.06A	225X225X115
BIL-AB-6.06B	225X225X180
BIL-AB-6.07	225X300X115
BIL-AB-6.08	300X400X100
BIL-AB-6.09	300X600X100



ELECTRONICS & AUTOMATIONS ENCLOSURES (T7)



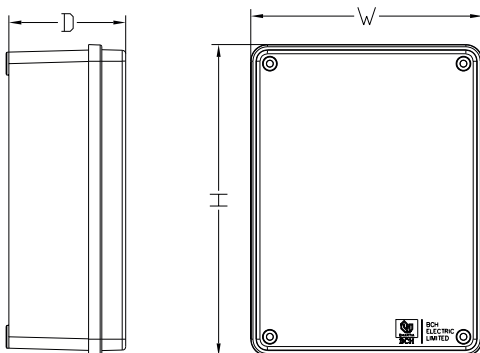
Technical Specifications:

- Specially designed for IT, electronics and automation industrial solutions
- Available in 31 different sizes
- Provision of PCB & Electronics component mounting
- Rust proof SS304 screw for front cover fixing
- Silicon Gasket between enclosure and front door for sealing
- Suitable for wall & pole mounting
- Protection Category IP-67
- Available with 3 variants

BIL-AB: Box & front cover both in ABS

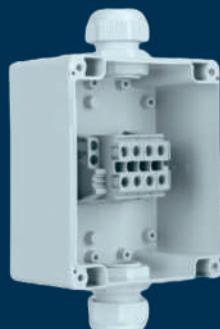
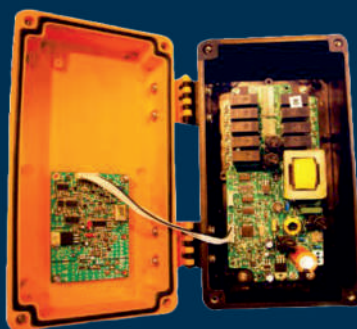
BIL-AP: Box in ABS & front cover in transparent Polycarbonate

BIL-PC: Box & front door both in Polycarbonate



Cat Code	Dimensions W X H X D
BIL-AB-7.01	56X80X40
BIL-AB-7.02	100X100X62
BIL-AB-7.03	65X115X40
BIL-AB-7.04	80X125X56
BIL-AB-7.05	125X125X62
BIL-AB-7.06A	90X134X36
BIL-AB-7.06B	90X134X56
BIL-AB-7.07	120X140X76
BIL-AB-7.07B	120X140X100
BIL-AB-7.08	150X150X75
BIL-AB-7.08A	150X150X100
BIL-AB-7.09A	115X160X55
BIL-AB-7.09B	115X160X75
BIL-AB-7.10A	125X170X66
BIL-AB-7.10B	125X170X115
BIL-AB-7.11	124X175X36
BIL-AB-7.12	160X180X75
BIL-AB-7.13	125X205X75
BIL-AB-7.13A	80X210X55
BIL-AB-7.14	125X230X90
BIL-AB-7.15	70X240X92
BIL-AB-7.16	200X250X90
BIL-AB-7.17	160X260X90
BIL-AB-7.18	176X260X92
BIL-AB-7.19	225X315X90
BIL-AB-7.20	260X350X90
BIL-AB-7.01L	58X84X33
BIL-AB-7.02L	70X100X50
BIL-AB-7.03L	80X160X55
BIL-AB-7.04L	136X200X70

APPLICATIONS



STANDARD ACCESSORIES FOR ENCLOSURES

Transparent Polycarbonate Windows with Hinged Type & Fixed Type

WINDOWS



Hinges to Convert Removable Cover to Hinged Cover

HINGES



Wall Mounting & Pole Mounting Accessories

MOUNTING



Couples For Jointing of Two Enclosures

COUPLERS

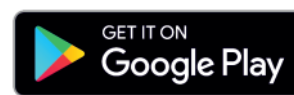


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