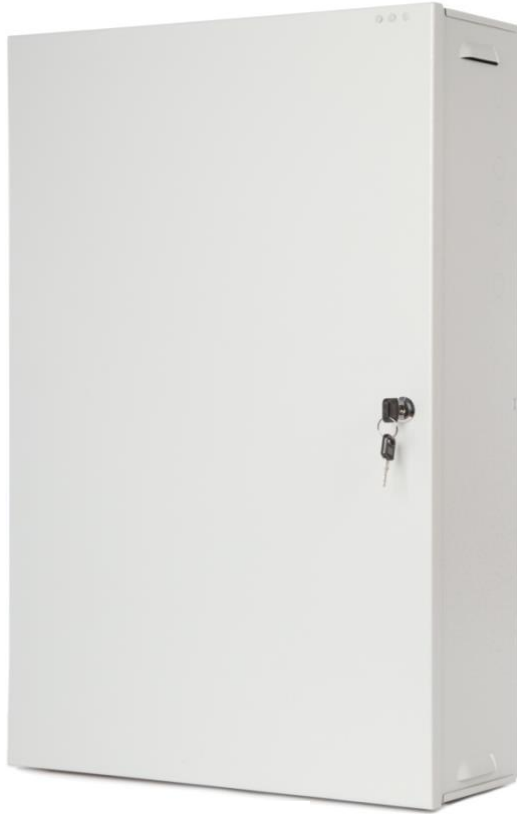


# Dycon Housings



A Complete Range of Steel and ABS Housings for Dycon Power Supply Modules, Peripherals & 3<sup>rd</sup> Party Products



*Extra-large G-Box*

- 10 x UK-made Steel versions
- 1 x IP65 weather-proof ABS variant
- 2U 19" rack versions

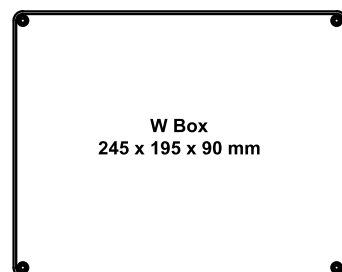
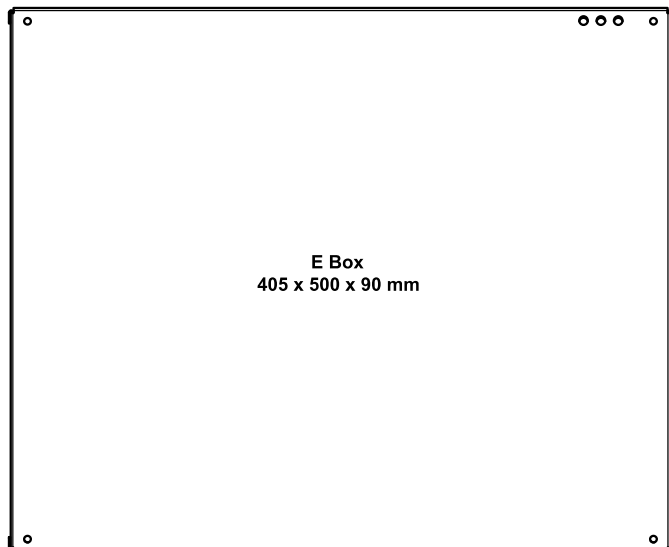
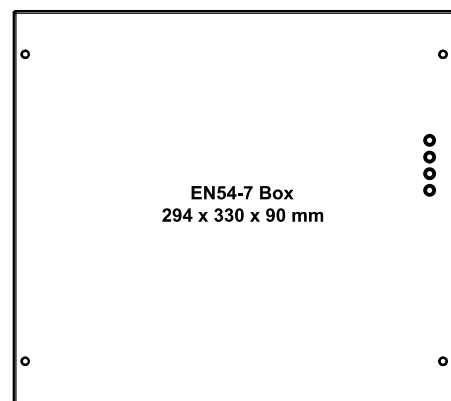
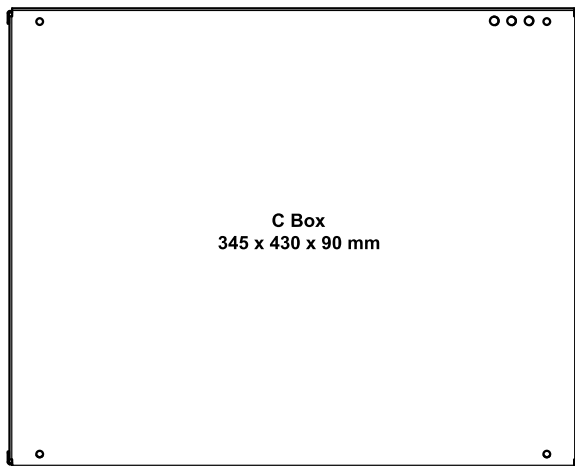
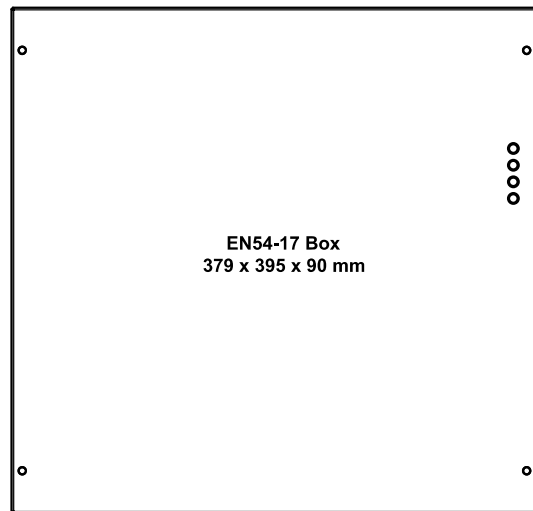
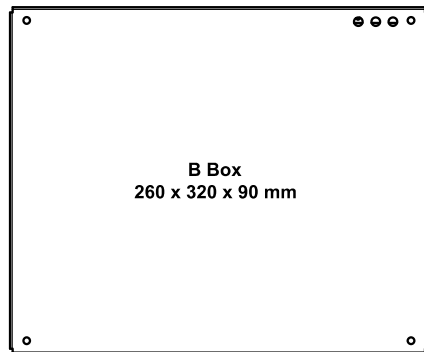
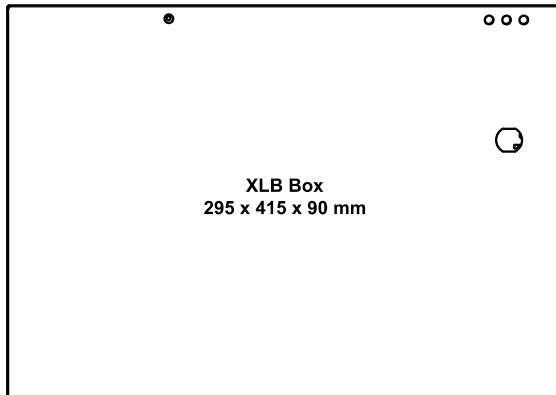
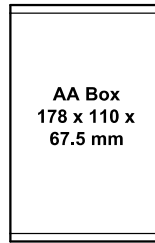
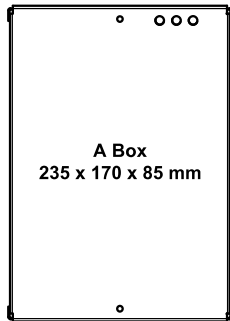


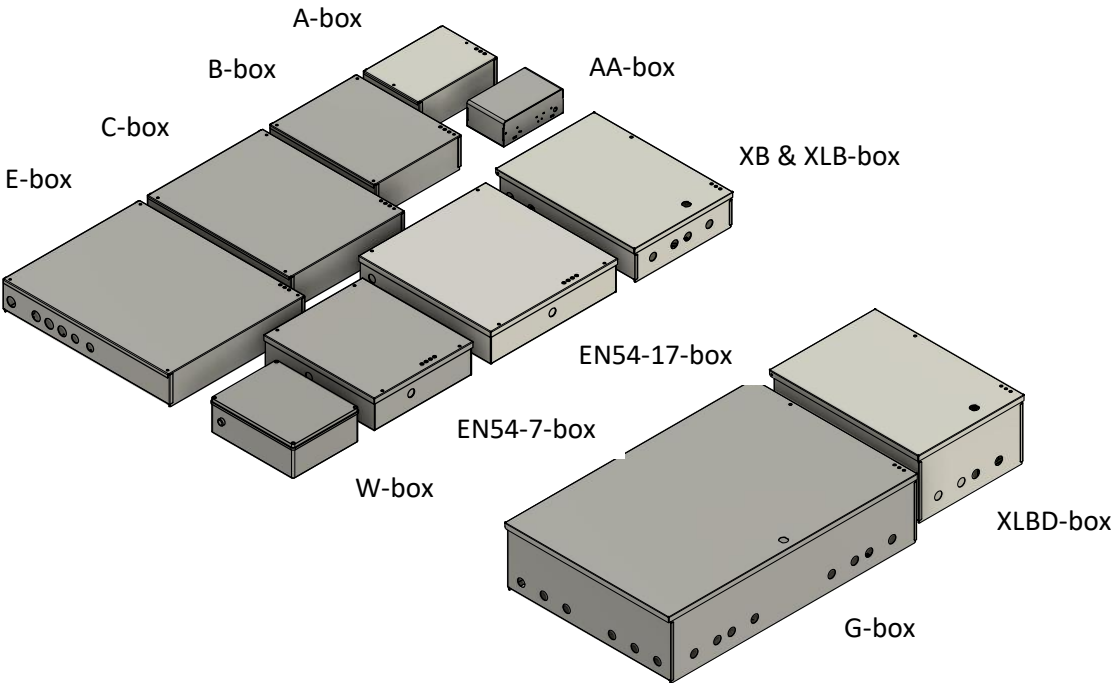
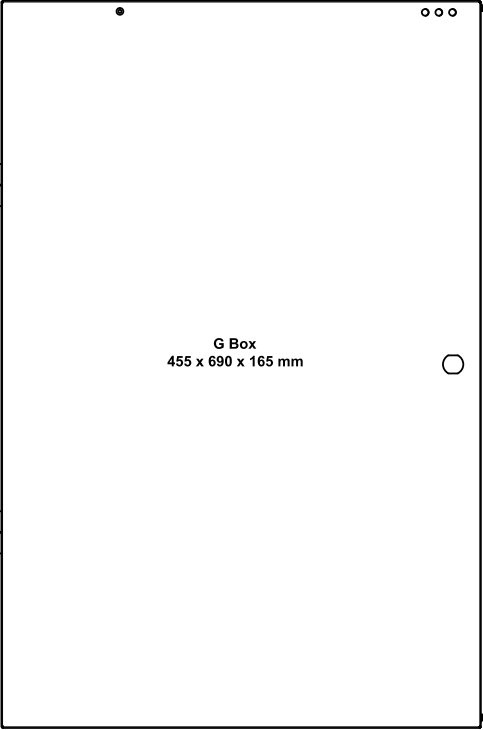
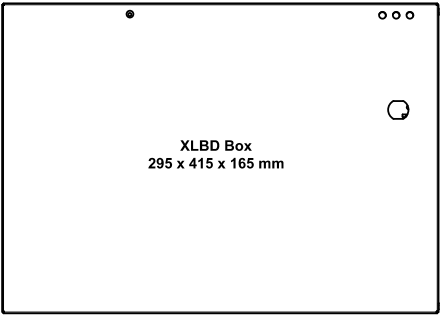
*Very small AA-box*

- Optional front & back anti-tamper kits
- Screw or keylock lid fastening versions
- White or black paint options

Dycon Power Solutions works extensively with professional security/fire system installers and integrators to ensure that they have the right tools to deliver practical, workable, power solutions that enable their installations to be easily installed and operate reliably. Unlike many other suppliers who provide just one or two plain metal boxes, Dycon believes that the housing is an integral part of making an installation quicker and less prone to failure and has developed a range of different options to help an installer choose the right combination. Part of this thinking is ensuring, right at the start, that the power supply chosen has the right dimensions for the job, that it can fit the available wall space, that it will allow easy cable terminations, and, also, have sufficient space to fit any requisite batteries. Coupled to this is the question of reliable front and/or back anti-tamper provision, the method of securing the cover/lid and, increasingly, the colour of the box. The Dycon comprehensive Housing Range offers solutions to all these issues and complements the extensive range of Dycon power modules.

# Dycon Housing Range Sizes





# Dycon Housings Range Construction Details

## Dycon XLB & XLBD - Steel Construction



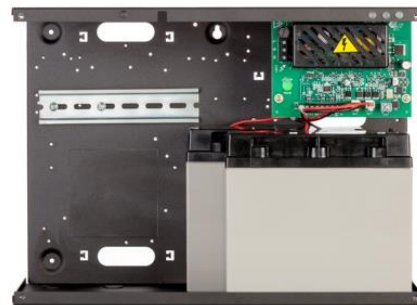
*Standard white XLB version*



*Extra-Deep XLBD-BK unit, shown in Optional black finish*



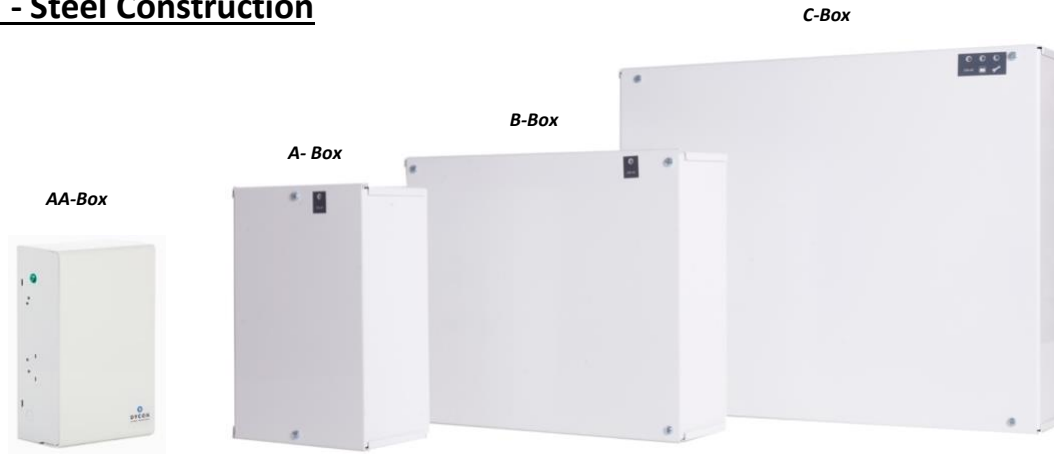
*Optional black XLB-BK box with the door & sides removed for easy fixing & cabling*



*Optional black XLBD-BK, extra deep box, with 2 x 17Ah batteries, a 24VDC power supply and a DIN-rail fitted*

- Two models, standard XLB and an extra-depth XLBD, unit that can accommodate more batteries and 3<sup>rd</sup> party peripherals.
- Pre-drilled base allows rapid fixing or change-over of most of Dycon's 26 x 12 or 24VDC 1-20A Power Modules
- Removable side panels and door for easier installation of cables.
- The door is hinged and secured by a key-lock.
- Knock-outs are provided on all sides to make cabling simple.
- A 90 x 90mm knock-out allows the unit to be fitted over a standard 13Amp socket.
- Provision is made on the back plate for the provision of standard 165mm NS35/7.5 'Top-Hat' DIN-Rails.
- A knock-out is provided at the top to allow for a standard GSM antenna to be fitted and connected to secure signalling devices.
- XLB and XLBD housings are supplied as standard in a white (RAL9003) powder-coated, spray paint finish, heat-treated to provide a durable, wipe-clean surface.
- A scratch-resistant black (RAL9005) paint finish is available as an option.
- Custom paint colours can be accommodated only if that colour is available in the type of paint used by our manufacturing process and providing a minimum quantity is ordered.
  - *Please contact Dycon for further information and prices.*
- Anti-tamper, lid-opening switches are supplied as standard on most Dycon power supply modules and can be supplied as an optional extra on many of the others, as can switches to detect removal-from-the-wall.

## Standard - Steel Construction



- 4 x standard **AA, A, B & C** sizes, a clamshell lid **XB size**, 2 x larger **E & G** sizes and two special versions, **EN54-7 & EN54-17**, that can be used both for Dycon EN54-certified fire systems or for normal power supply applications.
- For users who prefer the extra security of a clamshell lid, the **XB-box** is a useful size offering a perfect solution.
- On most versions, once the lid is removed, the sides are open to allow easy cabling.
- Anti-tamper, lid-opening switches are supplied as standard on most Dycon power supply modules and can be supplied as an optional extra on many of the others, as can switches to detect removal-from- the-wall.
- The standard lid fixings are M7 zinc-plated screws, other options may be requested.
- Versions are available with standard 165mm NS35/7.5 'Top-Hat' DIN-Rails already fitted.
- Standard finish is white (RAL9003), powder-coated, spray paint, heat-treated to provide a durable, wipe-clean surface
- Black (RAL9005), scratch-resistant paint is an option on the **XLB, XLBD, B-box, C-box, E-box** and **G-Box**
- Custom paint colours can be accommodated only if that colour is available in the type of paint used by our manufacturing process and providing a minimum quantity is ordered. *Please contact Dycon for further information and prices.*

## Very-large & extra-large steel housings

- Designed for use in systems where either larger or more batteries are needed, or where there is a need to install a number of 3<sup>rd</sup> party controllers or other devices together with a larger power supply module, the Dycon E and G boxes provide a practical solution. **Both feature tough steel construction; pre-drilled backplate that will accept control modules from most major manufacturers; choice of over 25 different power modules from 1 to 20A, all supplied ready-fitted and a wide range of Dycon peripherals such as splitters and relay modules, fire relays available**



### **Dycon's very-large E box**

- **Pre-drilled to accept controller modules from most leading access control system manufacturers**
- **Space for up to 3 x 7/8Ah or 2 x 17Ah batteries**
- **Optional front and back anti-tamper switches**
- **8 x 25mm and 4 x 20mm knock outs to simplify cabling**
- **Knock-out to allow a standard GSM antenna to be fitted and connected to secure signalling devices.**



*Standard white E box, showing its ability to take 2 x 17Ah batteries and still have enough space for the power supply module, a large number of 3<sup>rd</sup> party controllers, expanders and other peripherals*

#### **Dycon's Extra-large G box**

- Pre-drilled to accept controller modules from most leading access control system manufacturers
- Unique, hinged, internal control module plate to allow extra control modules to be fitted above the normal backplate-mounted units
- Hinged front door secured with a keylock
- Space for up to 4 x 17Ah or 2 x 26Ah batteries
- Optional front and back anti-tamper switches



*G-Box with keylock and vents for access controller cooling*



*G-Box showing the keylock and hinged control module*

## EN54-certified fire system steel housings



*EN54-7 & EN54-17 boxes*



*EN54-17 box with D2435-17, 5A PSU & 2 x 17Ah batteries*

## W-Box, IP65 Climate/Thermo-Resistant ABS Construction



*W-Box fitted with a D1555 12VDC 5A power supply and a 7Ah battery*



*W-Box fitted with NS35/7.5 DIN-Rail and a DR-60-12 power supply*

- IP65-protected from total dust ingress and protected from low pressure water jets from any direction.
- Supplied with two external fixing brackets to enable it to be fitted horizontally or vertically without the need to drill the box.
- Two IP65 cable glands are supplied with each unit.
- To reduce installer time on-site, a pre-drilled internal base plate, designed to fit most Dycon PSU modules, is fitted as standard in all W-Boxes.
- This base plate is also pre-drilled to enable a standard 165mm NS35/7.5 'Top-Hat' DIN-Rail to be fitted.
- Units with battery-charging capability are fitted with a unique automatic pressure valve that maintains the climate proofing but regulates the internal pressure allowing it to safely vent any gases created during charging.
- Anti-tamper, lid-opening PCB-mounted switches are standard on most of the Dycon power supply modules supplied with these W-Boxes.



# Dycon Standard Housings Range

Housing Part No.	Colour	Material	Height	Width	Depth	Weight (without power modules or batteries)	Maximum space available for batteries (see Note *2)
<b>Standard Steel Housings</b>							
AA	White RAL9003	Steel	178mm	110mm	68mm	1.09kg	No battery space
A	White RAL9003	Steel	235mm	170mm	85mm	1.10kg	1 x 7/8Ah
B	White RAL9003	Steel	260mm	320mm	90mm	1.90kg	2 x 7/8Ah or 1 x 17Ah
B-BK	Black RAL9005	Steel	260mm	320mm	90mm	1.90kg	2 x 7/8Ah or 1 x 17Ah
C	White RAL9003	Steel	345mm	430mm	90mm	3.30kg	2 x 7/8Ah or 2 x 17/18Ah
C-BK	Black RAL9005	Steel	345mm	430mm	90mm	3.30kg	2 x 7/8Ah or 2 x 17/18Ah
XB (with clamshell lid)	White RAL9003	Steel	295mm	415mm	90mm	2.20kg	2 x 7/8Ah or 2 x 17/18Ah
XB-BK (with clamshell lid)	Black RAL9005	Steel	295mm	415mm	90mm	2.20kg	3 x 7/8Ah or 2 x 17/18Ah
XLB	White RAL9003	Steel	295mm	415mm	90mm	2.20kg	4 x 7/8Ah or 2 x 17/18Ah
XLB-BK	Black RAL9005	Steel	295mm	415mm	90mm	2.20kg	2 x 7/8Ah or 2 x 17/18Ah
XLBD	White RAL9003	Steel	295mm	415mm	165mm	4.40kg	4 x 17Ah *2
XLBD-BK	Black RAL9005	Steel	295mm	415mm	165mm	4.40kg	4 x 17Ah *2
E	White RAL9003	Steel	405mm	500mm	90mm	5.80kg	2 x 17Ah *2
G	White RAL9003	Steel	690mm	455mm	120mm	8.50kg	2 x 26Ah or 4 x 17Ah *2
G-BK	Black RAL9005	Steel	690mm	455mm	120mm	8.50kg	3 x 26Ah or 4 x 17Ah *2
EN-M7 *1	White RAL9003	Steel	294mm	330mm	90mm	2.50kg	2 x 7/8Ah
EN-L17 *1	White RAL9003	Steel	379mm	395mm	90mm	3.50kg	2 x 17Ah
<b>19" Rack and Mountings</b>							
2U Front plate	Black RAL9005	Steel	482mm	88mm		Overall weight 9.5Kg	*2
2U Main body	Black RAL9005	Steel	440mm	82mm	405mm		
<b>ABS Plastic Climate-Resistant Housing</b>							
W-box (IP65)	Light Grey RAL7035	ABS	245mm	195mm	90mm	1.45kg	1 x 7/8Ah

Key:

\*1 = EN54-4 compliant

\*2 = The actual number of batteries capable of being housed in any box depends on the size of the main PSU module, the number of system expanders, and the number of 3rd party control modules. Please contact Dycon for more information



Dycon's smallest AA box fitted with a 24VDC 1A PSU



19" 2U rack fitted with D1438 12VDC 8A high-specification PSU

## Dycon Power Solutions Ltd

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email: [sales@dyconpower.com](mailto:sales@dyconpower.com)

Or to discuss your specific needs:

+44 (0)1443 471 900



Dycon leads the security and associated power supply markets, with UK design and manufacture of advanced power products, engineered to provide high quality, cost-effective solutions to meet current regulations and the specific needs of system integrators and end-users.

Housing data sheet 07032024v23