

# S1 Electrical Enclosure

# IP-100P5050

**PARTITIONED | STEEL | 2 x SINGLE DOORS | IP66**    **2 x 500H x 500W x 500D**  
**Compartments**

**Partitioned Electrical Enclosures** are designed to house low voltage electrical equipment including switchgear and control gear assemblies. They are based on our standard range but are provided in a range of various configurations to allow partitioning and separation of components into two separate IP rated compartments.

**Protection:** Complies with IP66 IK10, NEMA 4  
(Independent accredited test laboratory)

**Standard:** IEC62208, IEC/EN/AS60529 (Optional UL508A), RoHS



### Material:

- Body: 1.5mm galvanised steel sheet
- Gland Plate: 1.5mm galvanised steel sheet
- Doors: 1.5mm galvanised steel sheet
- Device Mounting Plate: 1.5mm galvanised steel sheet
- Seal: Polyurethane

**Body:** The robust monoblock body is fabricated using 1.5mm galvanised steel sheet and consists of two separate fully sealed IP rated compartments. Flat face sealing surfaces are provided to increase seal life. Pre-fitted blind nutserts are incorporated to accommodate mounts and accessory fasteners to eliminate drilling & retain IP rating. Integral device plate mounts and M6 earth studs are provided. A galvanised steel gland plate is incorporated into the bottom face. Cutting, pressing and full continuous seam welding using precision automated manufacturing equipment ensures accuracy and consistent high quality.

**Doors:** Two robust surface mounted doors are fabricated using 1.5mm galvanised steel sheet and incorporate concealed removable hinges with captive pins. The doors are designed for a 110° opening. Each door contains cable management rails, M6 earth stud & a high quality machine-applied foamed in place (FIP) Polyurethane seal. The internal cable management rails can be removed to provide additional space for equipment, duct and door mounted control components.

**Seals:** A high quality machine-applied full perimeter UL listed Polyurethane foamed in place (FIP) seals provide excellent sealing over a long life. Temperature resistance -40°C to 80°C (160°C short term loading).

**Locks:** Chrome 5mm double bit insert quarter turn locks with key.

**Device Mounting Plates:** Device mounting plate is located in each separate compartment and is fabricated using 1.5mm galvanised steel sheet. They are pressed to provide strength and are pre-fitted into the enclosure as standard.

**Gland Plate:** Gland plates are provided with gaskets and fasteners.

**Surface Treatment:** UL approved epoxy polyester powder-coated with a textured finish. 80-120 micron average thickness. Colour RAL7035.

