

# Mounted Electrical Enclosures

## Steel | Powder Coated

**SUN**

WITH SUN SHIELD | SINGLE DOOR | IP66 IK10



The S1 range of electrical enclosures with sun shields are rated for protection up to IP66 and are aimed to reduce heat from direct sunlight. This range is equipped with sun shields fitted to the external surfaces to help regulate the internal temperature of the electrical enclosure when exposed to direct sunlight.



## Features & Specifications

SUN

**IP Enclosures S1 range of steel electrical enclosures with sun shields are suitable for general industrial applications.**

**Protection:** IP66 IK10 (NEMA 4)

**Standards (& Conformities):**

IEC/EN 60529, IEC/EN 62208, IEC/EN 61439, RoHS



**Material:**

- Body: 1.2mm galvanised steel sheet
- Door: 1.5mm galvanised steel sheet
- Sun Shields: 1.2mm galvanised steel sheet with stainless steel fasteners
- Device Mounting Plate: 1.5mm galvanised steel sheet
- Gland Plate: 1.5mm galvanised steel sheet
- Seal: Polyurethane

**Body & Sun Shields:** The robust monoblock body is fabricated using 1.2mm galvanised steel sheet. Pre-fitted blind nutserts are incorporated to accommodate mounts and accessory fasteners to eliminate drilling and retain IP rating. Integral device plate mounts and M6 earth studs are provided. A galvanised steel gland plate is incorporated into the bottom face. Sun shields are fabricated using 1.2mm galvanised steel sheet and are provided with spacers to offset the surface of the shield from the surface of the enclosure. Cutting, pressing and full continuous seam welding using precision automated manufacturing equipment ensures accuracy and consistent high quality.

**Single Door:** The robust surface mounted door is fabricated using 1.5mm galvanised steel sheet and incorporates concealed removable hinges with captive pins. The door is designed for a 110° opening. Each door contains cable management rail, an M6 earth stud and a high-quality machine applied foamed in place (FIP) Polyurethane seal. Two internal cable management rails can be removed to provide additional space for equipment, duct and door-mounted control components. Sun shields are fabricated using 1.2mm galvanised steel sheet and are provided with spacers to offset the surface of the shield from the surface of the enclosure.

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

**Lock:** 5mm double bit insert quarter turn lock with key. A full range of locking options are available upon request.

**Device Mounting Plate:** The device mounting plate is 1.5mm galvanised steel sheet. It is pressed to provide strength and is pre-fitted into the enclosure as standard.

**Gland Plate:** Gland plates are incorporated into the bottom face of the enclosure for cable management. They are provided with gaskets and fasteners. The size and quantity vary according to enclosure size.

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



Part Number	Enclosure Size	Locks	Weight
Standard	H x W x D (mm)	Qty	Kg
IP-403020SUN	400 x 300 x 200	1	11
IP-404020SUN	400 x 400 x 200	1	13
IP-504020SUN	500 x 400 x 200	1	16
IP-505025SUN	500 x 500 x 250	1	20
IP-604020SUN	600 x 400 x 200	2	18
IP-606030SUN	600 x 600 x 300	2	34
IP-806030SUN	800 x 600 x 300	2	42