

# Mounted Electrical Enclosures

## Stainless Steel Grade 304 & 316L

**SUN**

WITH SUN SHIELD | SINGLE DOOR | IP66 IK10



The SS1 range of stainless steel 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 SS1 range of stainless 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: 1.5mm Grade 316L stainless steel
- Door: 1.5mm Grade 316L stainless steel
- Sun Shields: 1.5mm Grade 316L stainless steel 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 1.5mm Grade 316L stainless steel (Grade 304 is also available). Flat face sealing surfaces are provided to increase seal life. Pre-fitted blind nuts 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. Sun shields are fabricated using 1.5mm Grade 316L stainless 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 Grade 316L stainless steel and incorporates concealed removable hinges with captive pins (Grade 304 is also available). The door is designed for a 110° opening. Each door contains cable management rails, 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 1.5mm Grade 316L stainless 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:** Grade 316 stainless steel 8mm square drive quarter turn lock with key.

**Device Mounting Plate:** The device mounting plate is 1.5mm galvanised steel sheet. It is pressed to provide strength and supplied 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 Finish:** 0.4 micron Ra surface brushed finish.



Part Number	Enclosure Size	Locks	Weight
Standard	H x W x D (mm)	Qty	Kg
IP-SS403020SUN	400 x 300 x 200	1	13
IP-SS404020SUN	400 x 400 x 200	1	16
IP-SS504020SUN	500 x 400 x 200	1	19
IP-SS505025SUN	500 x 500 x 250	1	24
IP-SS604020SUN	600 x 400 x 200	2	22
IP-SS606030SUN	600 x 600 x 300	2	34
IP-SS806030SUN	800 x 600 x 300	2	43