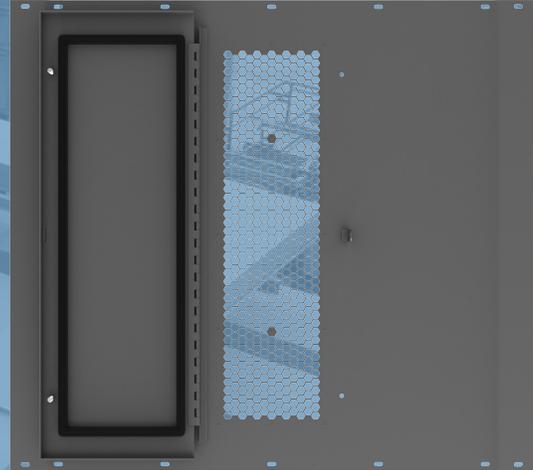# CAP-B Series

Custom Non-Segmented Bus Bar System IR Window

Improve Your Vision

Unlike the round infrared windows the large format IRISS CAP series and custom infrared windows have a far superior field of view.

UL Listed

Large format replacement panels like the CAP-B Series are now UL Listed replacement components (UL File E 491496).

Durable and Rugged

Polymer based IR windows are far more able to resist the mechanical stresses applied to IR window that are fitted to electrical distribution equipment.

The FlexIR CAP-B Series for non-segmented bus bar system is a large-format combination infrared, visual, and ultraviolet inspection window specifically designed for the power generation and large power user market. The bolted window design also acts as an access port for repairs, as it can be easily removed to allow the engineer access to repair the fault. Once refitted, the bus bar system can be re-energized and the repaired joint can be inspected to confirm that the repair was effective and Reliability is achieved.

Specifications

Part Number	CAP-B-6	CAP-B-12	CAP-B-18	CAP-B-24
General Specifications				
Overall Height	Customizable			
Overall Width	Customizable			
IP/ NEMA Environment Rating	IP65 / NEMA 4			
Operating Temperature	-40°C (-40°F) to 273°C (523°F)			
Body Material	Powder Coated 5052 Aluminum			
Gasket Material	UL 94 5VA TPE; -40°C (-40°F) to 273°C (523°F)			
Hardware Material	316 Stainless Steel			
Voltage Range	Any			
Automatically Grounded	Yes			
Optic Specifications				
Viewing Aperture Height	15 cm (5.9 in)	12.7 cm (5.0 in)	15 cm (5.9 in)	15 cm (5.9 in)
Viewing Aperture Width	9.1 cm (3.6 in)	23.6 cm (9.3 in)	39 cm (15.4 in)	53 cm (20.9 in)
Optic Material	Poly-View™ UL 746 compliant, visual, UV and IR transmissive polymer; -40°C (-40°F) to 325°C (617°F)			
Optic Reinforcing Grill Material	Aluminum Reinforcing Grill (IP22/ IP2x Standard)			
Inspection Capabilities and Applications				
Midwave IR and Longwave IR; Ultraviolet (UV); Visual Inspection; Medium/High Voltage Applications				
Certifications				
Certified by UL (USA) & cUL (Canada) to the following standards: 50V, 50E, 756C: Impact and Flammability, 746C & 746A-2012, 1558: Impact and Load Resistance, 508A: ANSI 508A				
CSA C22.2 No. 14-13, C22.2 No. 14-10, C22.2 No. 94-M91, C22.2 No.94.1-07, C22.2 No. 94.2-07				
IP65 / NEMA 4				
Lloyds of London Type Approval				
American Bureau of Shipping (ABS)				
DNV (Det Norske Veritas) P261.1E Maritime, Vessel and Offshore Applications				
IEEE C37 20.7 Type 2B, C37 20.2.a.3.6: Impact and Load				
IEC 62271-200, 60262271-200,60298 Appendix A, 60068-2-6:2007, 60068-2-3, 60068-2-78:2012				
Other				
Warranty	Unconditional Lifetime Warranty			

*Caution: These dimensions are not installation dimensions. Do NOT cut prior to receiving your IRISS IR window and installation template.
Specifications are subject to change without notice. For the most up-to-date specs, go to www.iriss.com

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