

Integra Polycarbonate Enclosures Overview



Integra Enclosures manufactures engineered thermoplastic enclosures for use in applications requiring enclosures that are non-corrosive, non-conductive, easy to install and modify, and competitively priced.

Integra's superior design and polycarbonate construction provide an enclosure that is durable, seals tight, supports easy component installation, and looks great.

Polycarbonate Applications

Polycarbonate enclosures are a superior choice for a wide range of outdoor applications and environments:

- Remote Monitoring - For remote placement of monitoring or networking devices/components.
- Alternative Energy - From solar to wind, keep systems safe from the environment.
- Water Treatment - Water/wastewater treatment and sprinkler systems are well protected in polycarbonate.
- Utility and Electrical - Utility applications that are housed outdoors are ideally enclosed in polycarbonate.
- Marine and Marina - Whether on ship or at the dock, guard against corrosive salt water and sun.



Advantages of Polycarbonate

Lighter Weight Than Other Enclosure Materials

The lighter weight makes polycarbonate enclosures easier to carry and install. The lighter weight may also save money on shipping costs.

Eco-friendly

Polycarbonate enclosures at the end of their service life can be recycled, as can all scrap polycarbonate generated during the manufacturing process.

Impact Resistance

Integra enclosures have been tested to UL-746 falling ball impact tests at 73°F. With their high impact resistance, Integra enclosures are rarely damaged from shipping and handling.

UV Light Resistance

Polycarbonate is a strong, durable material with an integral UV inhibitor that withstands the harsh conditions of the outdoors. Polycarbonate enclosures will maintain their shape, color and strength even when exposed to UV light.

Easily Modified

Polycarbonate enclosures are easy to modify because they cut easily and do not create hazardous dust, cause less wear on cutting tools, and leave a clean, attractive surface with no sharp edges.

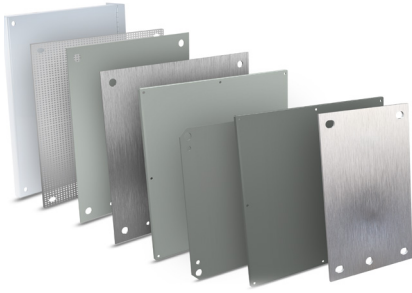
Watertight and Marine Friendly

All Integra polycarbonate enclosures are NEMA 4X rated, which means that these enclosures are watertight and can withstand direct water spray. Many models are also NEMA 6P rated, which means that they can withstand prolonged submersion at shallow depths. Polycarbonate enclosures are salt water resistant, which means they are marine friendly.

Wide Operating Temperature Range

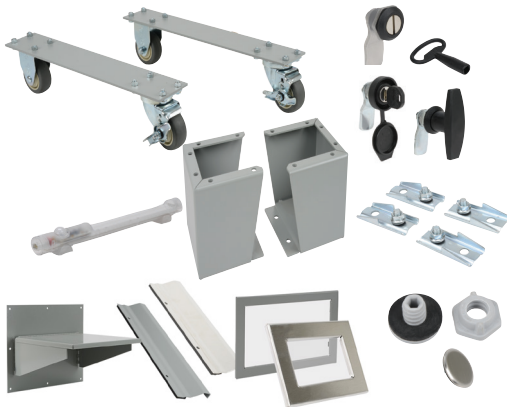
Polycarbonate is stable and holds its tensile strength over a temperature range from -40°F to 265°F.





Subpanels and Panel Accessories:

- Perforated
- Stainless Steel
- Fiberglass
- Aluminum
- Galvanized Steel
- Painted Carbon Steel
- Swing-out Panels
- Side-mount Panels
- Dead Front Panels



Enclosure Accessories:

- Floor Stand Kits
- Drip Shield Kits
- Window Kits
- Folding Shelves
- Casters
- Hole Seals and Plugs
- Document Pockets
- Interlocks and Defeaters
- Grounding Kits
- Adapter Plates
- Rack System Components
- Terminal Brackets
- Terminal Block Strips
- Terminal Straps
- Mounting Channels
- Grid Straps
- DIN Rails
- Touch-up Paint
- Replacement Gaskets
- Lights Kits and Accessories
- Feet/Support Kits
- Locks and Latches

Climate Control for Your Enclosure:

- Air Conditioning Units
- Heaters
- Fans and Filters
- Controls: Thermostats, Hygrostats and Hygrotherms
- Vortex Coolers
- Air/Air Heat Exchangers