Station Enclosure Drawings

Large Enclosure: Insulated Hardigg AL3434-2807

- External dimensions: 37” x 37” x 37”
- Internal dimensions: 24” x 24” x 21”
- 2” thick vacuum insulation panel (VIP) sub-enclosure
- Protective polypropylene barrier between VIPs and electronics
- Integrated cable harness with external bulkhead connectors
- Year round operation with rechargeable AGM batteries

Detailed Drawings

- Hardigg AL3434-2807 Insulated: Assembly Drawing with BOM
- Hardigg AL3434-2807 Modifications
- Vacuum Insulation Panels
  - VIP-02-001A rev A
  - VIP-02-002A rev B
  - VIP-02-003A rev B
- Internal Liner
  - LIN-02-001P
  - LIN-02-002P
  - LIN-02-003P
- Polystyrene Insulation Panels
  - XPS-02-001A rev A
  - XPS-02-004P
- Bulkhead Connector Panels
  - BLK-02-001P
  - BLK-02-002P

Small Enclosure: Insulated Hardigg AL3434-2807

- External dimensions: 27” x 27” x 27”
- Internal dimensions: 20” x 20” x 18”
- 2" thick vacuum insulation panel (VIP) sub-enclosure
- Protective fiberglass barrier between VIPs and electronics
- Integrated cable harness with external bulkhead connectors
- Year round operation with primary batteries

**Detailed Drawings**

- **Hardigg AL3434-2807 Insulated: Assembly Drawing with BOM**
- **Hardigg AL3434-2807 Modifications**
- **Vacuum Insulation Panels**
  - VIP-02-001A rev A
  - VIP-02-002A rev B
  - VIP-02-003A rev B
- **Internal Liner**
  - LIN-02-001P
  - LIN-02-002P
  - LIN-02-003P
- **Polystyrene Insulation Panels**
  - XPS-02-001A rev A
  - XPS-02-004P
- **Bulkhead Connector Panels**
  - BLK-02-001P
  - BLK-02-002P

**Quick Deploy Station (QDS) Enclosure : MEVO Box**

- Hardigg Stormcase iM2720
- External dimensions: 25" x 20" x 11"
- Internal dimensions: 16" x 13" x 7"
- Die cut internal packaging
- Feed-through port fits variety of sensor cables
- Integrated charge controller and bulkhead connector for solar panel
- Summer operation with Quick Deploy 10 Watt Solar and AGM battery

**Detailed Drawings**

- **Polar QDS Enclosure: Assembly with BOM**
- **Hardigg iM2720 Internal Packing**
Related categories: Polar Programs  Seismic Vaults  Special Polar Equipment  Year Round

Source URL: https://www.passcal.nmt.edu/content/polar/design-drawings/station-enclosure-drawings