

ATEPS

Features

Deploy shelters faster with seamless 463L airlift compatibility

- ✓ Integrated 463L pallet compatible with military airlift aircraft
- ✓ Single-pallet transport, compact 84 × 104 footprint
- ✓ Insulated aluminum core for strength and thermal efficiency
- ✓ Durable aluminium frame with non-slip heavy-duty flooring
- ✓ Expands to 244 × 104 floor size in under 5 minutes.
- ✓ Two-person setup, no tools or equipment required
- ✓ Built-in power, networks, water systems, and HVAC
- ✓ Flexible handling: forklift, sling, and tie-down points

Product Overview

The Weatherhaven Air Transportable Expandable Pallet Shelter (ATEPS) is purpose built around the 463L military cargo pallet system. By integrating directly with the 463L footprint, ATEPS seamlessly interfaces with established military air cargo handling procedures worldwide. This design eliminates special adapters or bespoke loading processes, allowing rapid, predictable deployment using existing logistics infrastructure and ensuring immediate compatibility across joint and coalition airlift operations.

ATEPS delivers a major logistics advantage by simplifying how shelters move from base to forward operating location. Mounted on a single 463L pallet, it can be quickly loaded, restrained, and offloaded using standard cargo handling equipment. This compatibility dramatically reduces preparation time, minimizes handling risk, and enables faster mission response. For military planners, ATEPS means fewer logistical variables and more reliable timelines during high-tempo operations.



Integrated 463L pallet, global airlift, instant mission space.

Because it conforms to 463L pallet dimensions and aircraft height restrictions, ATEPS can be transported aboard C-17, C-130, A400M, and C-5 aircraft without modification. This universal compatibility allows commanders to select aircraft based on availability rather than cargo limitations. Whether deploying by strategic or tactical airlift, ATEPS moves easily within established air mobility frameworks, supporting rapid force projection and distributed operations.



Standard Specifications

ATEPS specifications can vary depending on your configuration

Specification	ATEPS
Length	2642 mm // 104 in
Width (packed)	2134 mm // 84 in
Width (deployed)	4629 mm // 182 in
Height	2421 mm // 95 in
Tare Weight	1000 kg // 2205 lbs
Payload Volume	12 m ³ // 500 ft ³
Deployed Volume	29.6 m ³ // 1046 ft ³
Deployed Floor Area	12.2 m ² // 132 ft ²

Options

ATEPS can be configured to your exact requirements.

Structure & Configuration

- Expandable wing system
- Fabric and paint upgrades (IRR, CARC, EMI)
- Interconnector and corridor kits
- Lightweight aluminium frame
- Multiple color options

Entries (Doors & Windows)

- Double-zip roll-up doors with Velcro seals
- Rigid vinyl-framed sliding windows
- Blackout window systems & insect netting
- All-season insulated cover system

System Integration

- Integrated electrical & data networking
- Communication & IT systems integration
- Plumbing and mechanical system integration
- Permanent equipment & specialist fit-outs

Power & Environmental Control

- Integrated HVAC systems
- High-performance insulation (walls, floors, ceilings)
- Heating systems (oil-burning heaters)

Logistics

- Platform and stair entry system
- Mobility trailers (military / civil)
- Interconnector kits for all Weatherhaven shelters

Example Applications

See our website for more ATEPS applications.

- Humanitarian Response
- Mobile Clinics
- Military Camps
- Aircraft Support
- Field Kitchens and Dining
- Vehicle Workshops
- Field Hospitals
- Polar Science and Research

