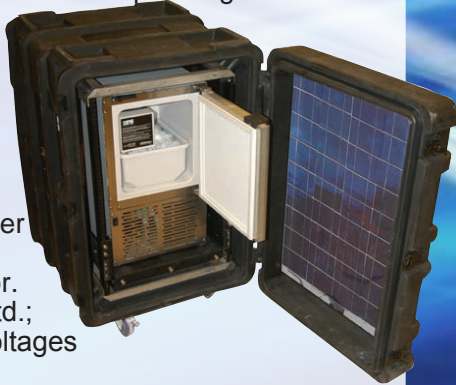


Tactical Ice Maker (TIM)

The TIM is suitable for producing ice cubes or serving as a freezer in harsh environments. It is readily deployed worldwide operating from local AC or DC voltages as well as the optional solar / battery backup feature.



- Rugged, fully automatic ice maker
- High-efficiency, sealed compressor.
- 110 VAC input std.; other AC or DC voltages available.
- EPA approved environmentally safe refrigerants.
- Ultra-quiet operation for noise sensitive areas.
- Solar panels and battery backup optional.
- Removable wheels/tires for use in sand or gravel
- NATO Slave cables for vehicle power utilization.

Tactical Case Cooler (TCC)

For systems that need to operate in hostile environments, the TCC is a rugged, light-weight air conditioner that directly cools sensitive electronic equipment. The miniaturized refrigeration technology enables the TCC to be mounted to one of the transit case covers maintaining the proper temperature and humidity within the transit case. Additionally, the TCC protects the electronic gear from harmful airborne dust and contaminants.



- Smaller and lighter than similar systems.
- Enables the use of COTS electronics in the field.
- Improves performance and overall reliability.
- Designed and tested to Mil-Standards.

In Summary

ETI works closely with our clients, allowing us to carefully design products to meet the technical requirements and challenges necessary to provide rugged, reliable and cost-effective solutions for any environment. We are continuously developing new products and forging new alliances to contribute to America's military and industries.

Rugged Transport Cases

Our tactical units come in transport cases with removable shock racks that are available in 7 sizes: 3U, 4U, 5U, 7U, 9U, 11U and 14U. These racks are light-weight, shockproof, watertight, dust proof, heat and chemical resistant; perfect for protecting and transporting your sensitive computers and equipment.



Molded of Linear Medium Density Polyethylene (LMDP) that meets or exceeds MIL-STD 810G, the cases include 8 or 16 elastomeric shock absorbers which allow a payload of 40 to 300 pounds. The Removable Racks are 24" deep from rail to rail with a standard 19" rack width, allowing easy access.

The rugged roto-molded shell ensures strength and impact resistance. Edge casters allow convenient case transport. Molded-in ribs and lugs are designed to stack. Available in black, desert tan or OD green.

About Energy Technologies, Inc.

Energy Technologies, Inc. (ETI) has been working closely with the defense industry for over twenty years developing innovative product solutions to meet their myriad of requirements and application scenarios. This not only includes the Tactical Cooling units in this brochure, but also includes global AC and DC power conditioning (power conditioners, inverters, frequency converters), backup power systems (UPS), power distribution/energy management and power generation (engines generators, solar, wind and fuel cells) These are available in both portable and stationary designs with or without intelligent interoperable interfaces. Tens of thousands of the resulting products are currently deployed around the world on the land, sea and air by America's armed forces, Homeland Security and other industries and agencies.



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Rev.0
09/12

Tactical Cooling®



Energy Technologies Inc.

Rugged Power ♦ Global Solutions

www.TacticalCooling.com

Tactical Cooling® Product Lines

Energy Technologies, Inc. (ETI) offers a wide range of rugged Environmental Control products to meet your needs!

ETI's Tactical Cooling products include:

- **Tactical Environmental Control Units (TECU)**
- **Tactical Refrigerator-Freezer (TRF)**
- **Tactical Ice Maker (TIM)**
- **Tactical Case Cooler (TCC)**

Tactical Environmental Control Units

ETI's TECU products are available to meet your shelter or equipment temperature and humidity needs!

These portable rugged air conditioning systems will maintain the proper temperature and humidity levels for vital electronics or personnel to keep them functioning in challenging environments!

TECU Products designed for portable or fixed mount:

Portable TECUs

Built into rugged wheeled transit cases, these units easily deploy and operate in harsh environments.



Fixed Mount TECUs

Built into rugged metal enclosures; mountable on trailers, vehicles or equipment containers/shelters.



Multiple cooling, heating and packaging options available!

TECU Features

- High-efficiency, sealed compressor.
- Available with/without heating capabilities.
- Remote mount digital thermostat controller.
- Lighter weight and smaller footprint than traditional ECUs.
- Standard 115 VAC, 60 Hz operation from shore or generator power.
- EPA approved environmentally safe refrigerants.
- Air filters are easily removed and cleaned.
- Can be used as a primary cooling system, or in addition to other cooling devices.
- Multiple TECUs can be operated in tandem to cool large areas or to meet other specific temperature requirements.
- Quiet operation for noise sensitive applications.
- Condensate removal system.
- Durable, flexible, supply and return air ducts.
- Ducts weather-resistant and thermally insulated.

Portable TECU Enclosure Features

- Enclosed in rugged wheeled case for portability.
- Internal assembly isolated for mechanical shock and vibration per Mil-Standard 810.
- Internal TECU assembly slides out of transit case for easy access if needed for maintenance.
- Folding handles on all sides for lifting.
- Rugged wheels/tires sized for use in gravel or sandy environments.
- Wheels easily removed for when not needed.

TECU Options

- 12, 24, 48 or 72 VDC input optional.
- NATO Slave cables for vehicle power utilization.
- Multiple length ducts available.
- Various porosity air filter media available.



Tactical Refrigerator-Freezer (TRF)

The TRF is suitable for maintaining the proper temperature of medical supplies, food and other perishables in harsh environments. Readily deployable worldwide, it operates from local AC or DC voltages as well as the optional solar and battery backup feature.

TRF Features

- Rugged, full featured refrigerator.
- Full-width insulated freezer compartment.
- Includes ice cube tray, egg tray, bottle holder, vegetable bin and adjustable shelves.
- Exclusive protected evaporator eliminates the risk of ice-pick damage.
- High-efficiency, sealed DC compressor.
- 12 or 24 VDC input operation.
- 110/220 VAC, 50/60 Hz input operation.
- EPA approved environmentally safe refrigerants.
- Diagnostic circuitry installed with green and red LED indicator lights.
- Ultra-quiet operation for noise sensitive areas.

TRF Options

- Solar panels and battery backup optional.
- Removable wheels/tires for use in sand or gravel
- NATO Slave cables for vehicle power utilization.



Our Rugged Cooling Systems are available in Custom Designs to fit Your Applications.