MLT-HAC-12KW-24V/230 V hybrid power supply and air-conditioning system

Miltech proudly presents the **Hybrid AC System**, an autonomous Power supply and Inverter Air-conditioning unit engineered for versatility and efficiency. This innovative system operates independently for 2 to 4 hours without an external power source. When the battery voltage drops below 22 volts, it has the ability to seamlessly draw energy from six different sources, whichever is available, to continue operation and recharge its batteries.

Air-conditioning system

The air-conditioning system operates on **24V DC batteries**, which can be charged via up to six available energy sources:

Diesel Engine:	**24V/2-5KW charger**
Hydrogen Fuel Cell:	**24V/2-5KW charger**
Methanol Fuel Cell:	**24V/2-5KW charger**
Solar PV Panels:	**24V/2-5KW charger**
Wind Generator:	**24V/2-5KW charger**
Electrical Grid:	**110-230V AC**

Applications

The air-conditioning system can be adapted to support:

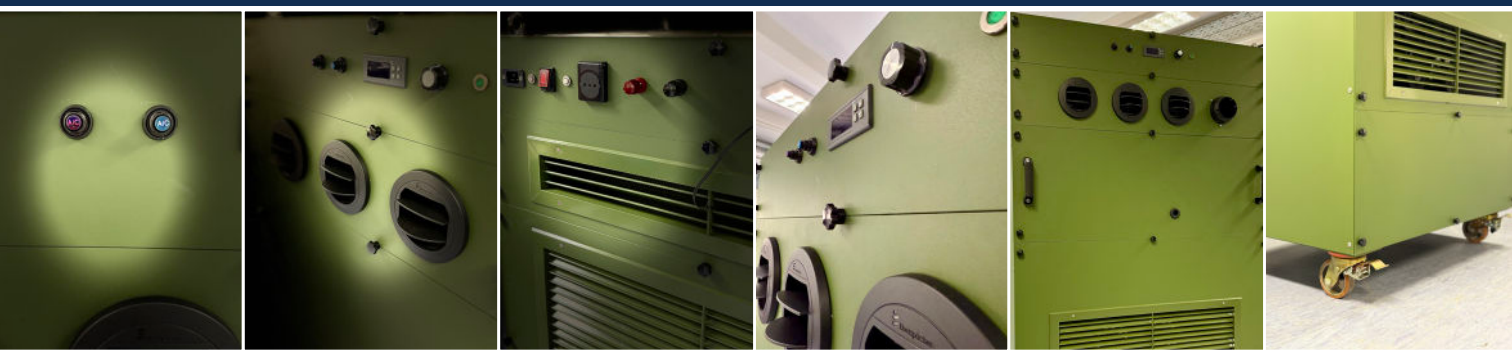
- **Army deployments**
- **Caravans and recreational vehicles**
- **Motor yachts and boats**
- **Hybrid electric minibuses**
- **Hybrid-electric city cars**
- **Residential homes and commercial buildings**

Easy Operation

Its operation control is user-friendly and can be done either by the built-in switches or by remote control.
Incorporating inverter technology the air conditioner uses microprocessors to control the speed of its compressor motors to match the required output for cool and/or heat.

Hybrid power supply and inverter air-conditioning system

TYPE:	**MLT-HAC-12KW - 24V**
MAX. CAPACITY:	**40,945 BTU/h (12kW)**
EVAPORATOR (24V):	**1,200 m³/h**
CONDENSER (24V):	**2,500 m³/h**
COMPRESSORS (24V):	**2 x 100cc = 200cc**
REFRIGERANT:	**R-134a**
TEMPERATURES:	**-10°C to +58°C**
DIMENSIONS (W x L x H):	**900 x 750 x 1,600 mm**
OUTPUT:	**24V DC, UCB port**



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