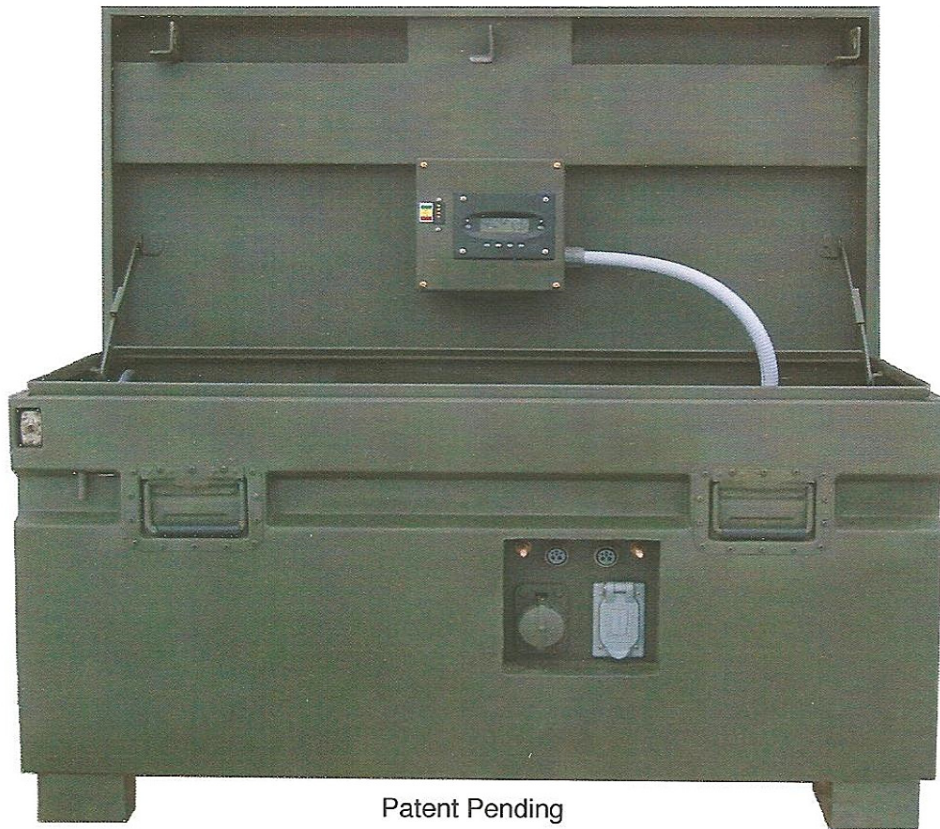


M-PRES 36

Multipurpose Portable Renewable Energy Source



Patent Pending

Product Overview:

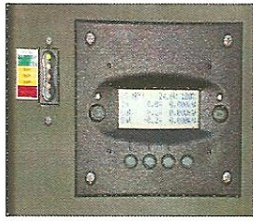
The M-PRES 36 is a portable power source for use in the field that relies on a series of batteries which are charged by photovoltaic, vehicle IV, AC power, generator or fuel cells.

The M-PRES 36 has a 3,600 Watt, 95% efficient switch-type inverter. It has been tested extensively for over 3 years under extreme heat, cold, humid and desert conditions.

The M-PRES 36 can be configured and adapted for mounting in military trailers, Conex boxes, and any military vehicle.

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M-PRES 36



Detailed Description:

The M-PRES 36 is housed in a weather-proof box with lifting handles.

The box measures 2.0' W x 2.0' D x 4.0' H.

The box is vented using a fan and a weather-tight hinged opening that must be manually opened during operation and closed when not in use.

The M-PRES 36 has a 3,600W modified sine wave, 95% efficient inverter that can sustain a 6,000W power surge for motor startup.

The M-PRES 36 also contains deep-cell lead-acid batteries. It has 4 batteries with a capacity of 410 amp/hours each.

The M-PRES 36 contains:

- switch gear with a 175 amp., 24V DC main breaker.
- 50 amp., 24V DC breakers, 25 amp., 24V DC breakers, and 10 amp., 12V breakers.
- The switch gear also contains a 50 amp., 120V, AC transfer switch and 120V receptacle breakers.
- Ethernet connection for remote operation.

These allow the user to attach various accessories.

The M-PRES 36 contains a photovoltaic charge controller, which allows the user to maximize battery charging. It will also equalize float and pulse, but will not overcharge the batteries.

The M-PRES 36 has a recessed panel which contains pin type IV plug with two 3/8" pins and #4 gauge wire. It also has a single-pin type IV with one center 5/8" conductor and a circular ground connector 2/0 gauge wire.

- 12V accessory plugs that can jumpstart vehicles and charge a laptop computer.
- military-type water-tight connectors for various accessories and photovoltaic panels.
- 20 amp, 120V AC spec-grade duplex receptacle with a weather-tight cover.

The M-PRES 36 has 375W photovoltaic hard panels or 360W photovoltaic flexible and foldable panel that are extremely durable.

- The M-PRES 36 can custom configured to meet all of your needs.