



Military Packaged Generators

MPU-4A Power Pack

The MPU-4A is a ruggedized intelligent device designed for military applications, and provides intelligent recharging of multiple battery banks simultaneously.

Its primary role is the charging of heavy duty vehicle batteries fitted within Military type vehicles such as Main Battle Tanks and is capable of charging up to 4 vehicles simultaneously, independent of each other. Interconnection is via the NATO standard sockets and associated power cables.

In its secondary role it provides sufficient electrical power to allow vehicles to 'start-up' even if their on-board batteries are fully discharged. This is achieved by its own fully charged set of internal rugged high power batteries.

Once connected to the vehicles, intelligent charging is employed which ensures over charging of the vehicles batteries does not occur. Additionally, the MPU-4A control panel ensures that the supply current does not exceed the maximum permissible 10Aac. In the event it does, it electrically

disconnects each of the 4 charger circuits, one at a time until this threshold is not exceeded. Once the power drain reduces below 8Aac, outputs are individually enabled again.

Each of the 4 output channels is protected by a 30A circuit breaker as well as a visual RED indicator which illuminates when the breaker has tripped.

The MPU-4A is mounted within a wheeled chassis which allows it to be manoeuvred easily by Operators without the use of a vehicle. It is manufactured from zinc coated steel for extra corrosion protection, then powder coated to any colour dependent upon customer requirements.

It is easy to maintain and is designed to operate in the harshest of conditions as well as meeting stringent RFI/EMC conditions. It is currently in-service with military forces.

About CMCA

CMCA's Power Generation and Distribution Division designs and manufactures all types of electrical

Key Features

- Ruggedized design for military applications
- The unit is manoeuvrable
- Designed to operate in extreme conditions
- Provides intelligent recharging of multiple battery banks simultaneously
- Incorporates Jump Start capability
- Provides visual display of battery status
- Designed to meet stringent RFI/EMC requirements
- In service with military forces throughout the world
- Connected via NATO standard outlet sockets
- Easy, low maintenance design
- External finish: 2 Pack Polyurethane Matt IRR or Powder Coating for durability



Power Generation and Distribution

Facts and Figures

Overall Dimensions (nominal):

Width: 750mm
Height: 945mm
Length: 960mm

Weight: 220kg

Power Supply

Input: 230 VAC, 50Hz
Single phase
13Amps (max)

Power Supply

Output: 28Vdc, 30Amps
4 channel
charging

28Vdc,
2000Amps
Jump Start

Operating

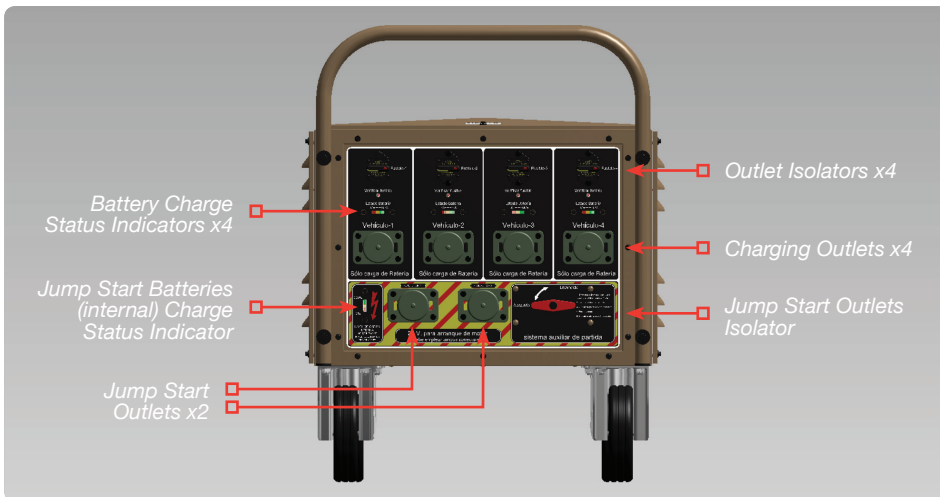
Conditions: -20°C to +60°C

RFI/EMC

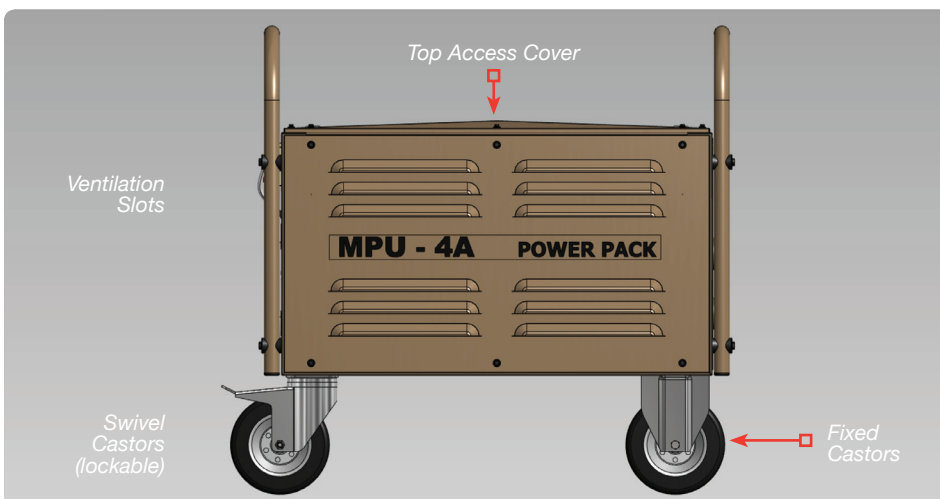
Capabilities: In accordance
with 2004/108/
EC and its
amending
directives

Front Elevation

MPU-4A



Side Elevation



Further Information

For a full technical specification on this or any other CMCA product please contact:

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Interface

