

aselsan

GURU Mobil

HYBRID ENERGY SYSTEM





GURUMobil

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Overview

GURU Mobil is a transportable hybrid energy system which consists of PV solar modules, a wind turbine, an energy storage unit and a diesel generator all integrated within a trailer. It uses the available renewable energy sources (solar or wind) supplemented with an energy storage subsystem to provide continuous, clean energy where needed.

Technical Properties

PV Solar Modules

- Power : 2.4 kW – 3.0 kW

Energy Storage

- Type: Lead acid or lithium ion
- Capacity : 10 – 40 kWh

Diesel Generator (optional)

- Power : 2 – 6 kVA
- Compliant with military or civil standards

Electrical Input

- Single Phase : 230 VAC, 50 Hz or 120 VAC, 60 Hz

Electrical Output

- Single Phase : 230 VAC, 50 Hz or 120 VAC, 60 Hz
- Max. Power : 12 kW (continuous)

Features

- Reliable, economical, continuous and clean energy as an innovative system
- Transportable design
- Easy assembly/disassembly of PV modules and wind turbine
- Compliant with military and civil vehicle hitches
- Rigid structure suitable for rugged use, such as military applications
- Customizable features to meet specific requirements
- On-grid or off-grid operation
- Maximum use of renewable sources with high efficiency components

Applications

- Mobile military systems
- Military bases and stations
- Military tactical exercises
- Public authority and municipality needs
- Agricultural applications
- Camps, mining and construction sites
- Emergency and natural disasters
- Electrical blackouts
- Areas remote from power grid (islands, telecommunication base stations etc.)

GURU Series Other Products

GURUpiko



GURUkompakt



GURUnet

