

ATTAHGANI ENGINEERING LIMITED

Portable Mobile Solar Generator

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Model C – 3kVA and Above (Pro Series)

- 1 unit of 3kva hybrid inverter
- 3 unit of 360W panels
- 200Ah lithium -ion battery
- 100A MPTT charge controller
- USB ports and protective devices

LOAD CAPACITY

- TV, Ceiling fan, DC fan, fridge, bulbs, blender, room theater, laptop, phones, etc
- 4 to 5 hours running at 50% load capacity
- **Expandable Option:** Compatible with external battery packs for extended usage and upgrade

PRICE: N1,200,000



APPLICATION

- **Homes:** Lighting, fans, refrigerators, TVs, and charging devices.
- **Businesses:** Barbing saloons, mobile charging centers, POS machines, laptops, printers, security systems, and more.
- **Farms:** Powering irrigation pumps, solar dryers, and agricultural equipment.
- **Healthcare:** Backup for clinics and medical devices in emergencies.
- **Outdoor Activities:** Camping, construction sites, events, and mobile operations.
- **Emergency Backup:** Reliable power during grid failures or natural disasters.

PRODUCT OVERVIEW

The Portable Solar Generator is a cutting-edge, all-in-one energy solution designed to meet the power needs of individuals, businesses, and communities—especially in off-grid and remote areas. Built with efficiency, durability, and sustainability in mind, this compact generator integrates key solar components, including high-efficiency solar panels, long-lasting batteries, a smart charge controller, an inverter, and protective devices, all housed within a robust and portable frame.



KEY FEATURES

- All-in-One Design:
- High-Efficiency Solar Panels:
- Long-Lasting Battery Storage:
- Smart Charge Controller:
- Pure Sine Wave Inverter:.
- Portable & Lightweight:
- Expandable Solar Input:
- Weather-Resistant Build:

HOW IT WORKS

- **Solar Energy Generation:** The generator's solar panels capture sunlight and convert it into DC electricity.
- **Energy Storage:** The smart charge controller directs this electricity to charge the built-in battery bank efficiently.
- **Power Conversion:** The inverter converts stored DC power into AC power, making it compatible with standard household appliances.
- **Energy Distribution:** Multiple output ports (AC, DC, USB) allow you to power various devices simultaneously.

PRODUCT VARIETY

Model A – 500W (Compact Series)

- 1 unit of 500W inverter
- 2 unit of 100W panel
- 50Ah lithium -ion battery
- 30A charge controller
- 2 hours running time at 50% load capacity
- **Expandable Option:** Compatible with external battery packs for extended usage and upgrade

PRICE: N300,000

Model B – 1000W to 1.5kVA (Standard Series)

- 1 unit of 1.5kva inverter
- 2 unit of 360W panels
- 1 unit of 100Ah lithium-ion battery
- 40A MPPT charge controller
- USB ports and protective devices

LOAD CAPACITY

- TV, bulbs, phones, laptops, DC fan, room theater, blender etc
- 3 to 4 hours running at 50% load capacity

Expandable Option: Compatible with external battery packs for extended usage and upgrade

PRICE: N600,000

