

SAMA Ultra-Capacity Power Station

POWERING YOUR ADVENTURES AND HOME

YOUR ALL-IN-ONE ENERGY HUB

Introducing the **SAMA Ultra-Capacity Portable Power Station**—a versatile, eco-friendly energy center designed for uncompromising reliability. Engineered to seamlessly transition between modern solar-integrated smart homes and rugged outdoor expeditions, this high-performance hub ensures you never have to choose between mobility and power independence.

Whether managing home blackouts, running off-grid worksites, or enjoying the deep wilderness, the SAMA Power Station delivers exceptional capacity. Its advanced inverter technology produces a clean, stable pure sine wave output, making it safe to power everything from demanding, heavy-duty major appliances to your most sensitive micro-electronics and smart devices.

ADVANCED DUAL-UNIT ARCHITECTURE

Built to blend into any aesthetic without sacrificing durability, the station is available in two premium, textured colorways: Charcoal Grey and Beige. The impact-resistant outer shell features reinforced, integrated carry handles and dynamic lateral thermal vents to handle heavy prolonged usage safely.

INTELLIGENT ENERGY DISTRIBUTION

Simultaneously run multiple high-demand loads. The integrated multi-channel outputs allow you to power high-wattage heavy devices alongside low-power sensitive hardware, managing heat, surge protection, and direct current limits dynamically behind the scenes.

PRODUCT HIGHLIGHTS

Clean Energy Freedom:
Embrace zero-emissions power with integrated solar-charging capability and advanced battery management.

■ Multi-Device Charging:

Power heavy appliances, sensitive laptops, and mobile devices simultaneously.

■ Advanced Safety:

Multilayered battery management protocols shield against surges, overcurrent, and extreme heat.

■ Digital Real-Time Display:

Bright, high-contrast display monitors remaining capacity, wattage inputs/outputs, and active safety indicators.

■ Multiple Color Options:

Elegantly styled in a high-grade Matte Charcoal Grey or Warm Sand Beige finish.

SAMA Power Station Technical Datasheet

ADVANCED POWER ENGINEERING SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Engineered with ultra-durable cell architecture and smart micro-processing, the SAMA Power Station is designed to satisfy critical backup needs and professional mobile energy demands.

SYSTEM & OUTPUT SPECIFICATIONS	
Product Line	SAMA Ultra-Capacity Portable Power Station
Available Colors	Charcoal Grey / Warm Sand Beige
Battery Chemistry	Premium High-Density Lithium-Iron Phosphate (LiFePO4)
AC Outlets	Dual High-Output Pure Sine Wave AC Sockets (demanding appliances)
USB Ports	High-Speed USB-C Power Delivery (PD) & USB-A QC Fast Charge Ports
DC Outputs	Robust 12V Car Outlets & Dedicated 5521 DC Ports
Solar Charging Input	Integrated MPPT Charge Controller (optimized for rapid solar recharge)
Safety Certifications	BMS Protected (Overvoltage, Short Circuit, Thermal, Overcharge Guard)

DUAL-USE APPLICATION SCENARIOS

Emergency Home Backup: Transition during power grid outages. Safely run internet modems, medical equipment, refrigerators, and lighting to maintain comfort and security.

Camping & Rugged Expeditions: SAMA's lightweight-to-power ratio makes it the ultimate road trip companion. Power portable fridges, projectors, drones, and professional camera equipment.

Clean Solar Integration: Connect to compatible portable solar panels to create a completely off-grid generator system that recharges quietly while you consume.

OPERATION & MAINTENANCE

Initial Charging: For optimal battery life calibration, charge the power station to 100% before your first use.

Environmental Storage: Keep the device in a cool, dry area away from direct humidity and extreme cold temperatures.

Smart Storage Tip: If storing long-term, maintain the battery level between 40% and 60% and cycle it once every six months.

Powering Your Adventures and Home
Experience the next level of portable energy resilience.

GOLAN SA MA GROUP LTD.

Global Providers of Cutting-Edge Mobile Power Systems

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