



Lifepo4 inverter input range

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Ugreen's GS1200 station includes a 1200W AC inverter and a 1024Wh LiFePo4 battery. With features like WiFi connectivity, UPS mode, and a 1000W fast charger, its major drawback is a weak 400W solar input.

WiFi/Bluetooth connectivity

Automatically turns AC off even with a small load

The Ugreen PowerRoam GS1200 power station packs the latest rechargeable Lithium technology in a compact format.

The 1024Wh battery offers over 3000 charge cycles, while the built-in AC charger can top the unit in less than one hour. With a total of fourteen ports, including six 10A 120V AC outlets and eight low-voltage DC ports, the GS1200 can power appliances such as microwave ovens while simultaneously charging a gaming laptop.

The user can proudly display the sleek GS1200 on an office table, where it can also serve as a UPS. Dedicated on/off switches make using the station straightforward. The large segmented LCD offers excellent contrast, being readable from several meters. If that's not enough, a mobile app brings all controls to the owner's fingertips. With two cooling fans, the GS1200 is quiet enough to be used in a room at night.

Ugreen offers several options when purchasing a GS1200. A single unit costs \$999, while two costs under \$1900. That is cheap for a LiFePo4 battery type at \$0.97 per Wh. The station is also available with one or two 200W solar panels for \$1247 and \$1749, respectively.

Ugreen's PowerRoam GS1200 station measures 34 cm x 22 cm x 27cm for 11.5kg. The grey plastic shell feels tough and will easily withstand knocks. A non-retractable handle located at the top helps to carry the unit effortlessly. Two fans provide adequate airflow to cool internal components while charging the battery, along with air vents on both sides.

A large segmented LCD sits on the front panel, showing battery capacity and input/output power consumption. In addition, various icons show which outputs are enabled or if issues are present while operating the station. The display's white color segments on a dark background offer excellent contrast and are readable in bright sunlight, even from a few meters away.

Push buttons control output sections with a single click. A faint white LED embedded in each button indicates whether the output is activated or not. An IoT button enables the unit's Bluetooth and WiFi capability and helps connect to the companion mobile App. The station also includes a multifunction LED flashlight that supports two intensity levels and a strobe mode.

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The GS1200 integrates a 1024Whr LiFePo4 battery pack, which should provide over five years of usage when recharged daily before experiencing an 80% capacity drop. The built-in 1200W AC inverter can supply 2500W for short periods through six AC sockets located on the right. The low-voltage DC section comprises two Type-C 100W and two Type-A 22.5W sockets. The Ugreen power station also incorporates three regulated 12V output sockets, two DC5521, and one cigarette carport. Output sections can provide a maximum of 1565W combined under normal usage.

The GS1200 includes 2.4GHz WiFi and Bluetooth radios to connect to a smartphone running either Android or iOS. Setting up the app is straightforward; on-screen instructions guide the user and require only a few steps. We noted that WiFi is disabled after some time to save power.

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