**TECHNICAL SPECIFICATIONS**

**Dimensions:**

41 L\*34 W\*23.5 H (cm)

**Weight:**

24kg

**Operating Temperatures:**

23–111 °F (-5–45 °C)

**Operating Conditions:**

* Keep out of rainy, damp, or snowy conditions.
* When charging outside with a solar panel, use the panel to shade the unit for better charging efficiency.
* Do not store in a hot vehicle for extended periods of time (i.e. anything over 5hours).

**Battery:**

* Lithium Iron Phosphate (LFP)
* 100Ah, 12.8V (1280Wh) capacity
* Rated for 3,500+ charge and discharge cycles
* Minimum charge time: 5.5 hours
* Charge retention: 1 year (85%)
* Integrated inverter: 120V AC pure sine wave; 1,500W continuous output, slow-start feature protects the inverter from over-current draw
* Maximum of 30A @ 12V charging current from AC or DC circuitry
* Maximum combined charge from AC and DC circuitry: 35A @ 12V DC
* Max DC output current: 30A
* Prismatic cell geometry

**Unit Body:**

* Steel case
* Cooled by back-mounted fan

**LCD Display:**

* 6-bar battery-shaped gauge
* Always on so you always know when your battery is charged
* Displays wattage used while the AC switch is on for easy run time calculations. Will remain at zero when AC switch is in OFF position

**Power Controls:**

* Power key on front panel
* AC power ON/OFF switch on front of unit

**Input Ports:**

* AC: 110–240V, 50–60Hz; 292W (14.6V/20A Max. charge); optional 438W (14.6/30A)
* DC: Anderson Power pole connector ports; 1 set, total of 30A limit using 12V input; Built-in 30A MPPT controller, support 18---80V 400W (max.) solar panel

**Output Ports:**

* AC: 110V–120V, 60Hz; 2 outlets share a combined total current limit of 1,500W, with a combined total power limit of 1,500W, including a slow-start feature that protects the inverter from over-current draw
* DC: 4 USB outlets, 2.4A max
* DC: Anderson Powerpole connectors; 1 set with a total shared current limit of 30A@ 12VDC (360W max output)
* DC: 12V cigarette lighter adapter capable of 10A (120W) max output
* Extension battery port, could connect with any 12V battery for charge or discharge; (12V/100Ah or above is recommend)

**What in the package:**

* 1\*1500W Portable Power Main unit
* 1\* AC charge cord
* 1\* extension battery cord