**TECHNICAL SPECIFICATIONS**

**Dimensions:** 29.5 L\*22.5 W\*22 H (cm)

**Weight: 8.5**kg

**Operating Temperatures:** 23°F–111°F (-5°C–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 5 hours).

**Battery:**

* Lithium Iron Phosphate (LFP)
* 40Ah (512Wh) capacity
* 12.8V capacity
* Rated for 2,500+ charge and discharge cycles
* Minimum charge time: 2.5 hours
* Charge retention: 1 year (85%)
* Integrated inverter: 230V/120V AC pure sine wave; 600W continuous output, slow-start feature protects the inverter from over-current draw;
* Maximum of 20A @ 12V charging current from DC circuitry
* Maximum combined charge from AC and DC circuitry: 20A @ 12V DC Max DC output current: 20A
* Prismatic cell geometry

**Unit Body:**

* Plastic 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:**

* DC: AC adapter, 15V/20A, 100-120V/220-240V;
* DC: Anderson Powerpole connector ports; 1 set, total of 20A limit using 12V input; support 17-23V 300W (max.) solar panel

**Output Ports:**

* AC: 110-120V, 60Hz; 1 outlet total current limit of 600W, including a slow-start feature that protects the inverter from over-current draw
* DC: 2\*USB outlets, 2.1A max; 1\* USB QC3.0 18W Max. 1\* USB-C PD 3.0 60W Max.
* DC: Anderson Powerpole connectors; 1 set with a total shared current limit of 20A @ 12VDC (240W max output)
* DC: 12V cigarette lighter adapter capable of 10A (120W) max output

**Special Port:**

* Extension battery port: connect with any 12V battery for discharge (12V/50Ah above is recommend)

**What in the package:**

* 1\*600W Portable Power Main unit
* 1\*14.6V/20A AC adapter charger with AC input cable (AU, EU, US, UK etc.)
* 1\* extension battery cable