



Entrée Wireless™

Warrior Battery/Solar Pack Model WBP-X20 Specifications

The WBP-X20 is a rugged, self-contained battery/charger/solar/equipment package designed to bring portability to a variety of electronic devices in hard-to-wire or temporary locations. It supports continuous operation/recharging from either an AC or optional solar power source.

The WBP-X20 enclosure provides an internal plate for mounting a Wi-Fi and/or Wi-MAX access points or similar electronic device and includes the internal cables and external antennas to extend the range of various cellular and wireless networks. Also included is a fast AC charger (7 hrs.), a 12V battery and provision for a solar panel controller. There is room for storage of cables and other small devices in the case. A solar panel is not included.

For typical applications, the WBP will operate at 20W for 20 hours on a single charge, however for solar operation a 10W load is suggested because the battery should not be discharged more than 50% over night. The solar panels must be sized to generate more energy per day (~5-6 hrs) than the load uses in 24hrs. (De-rate up to 50%). For temporary deployments in sunny locations a 12V/35Ah battery and a 80W/12V solar panel is good for loads up to 10W. Contact us for other deployments.

Do not allow the WBP battery to completely run down as a full discharge can damage the battery. The solar controller option includes protection to prevent the battery from over discharge.

Solar panels must be operated in a shade-free south-facing location. Shading 1 cell reduces output 90%.

Battery/Charger System

- Charger AC Input - 90VAC – 130VAC
 - Automatic multi-mode 5A charger
 - Recharge battery in 7 hours
- Simultaneous battery charge and operate
- Battery – 12V/35Ah, SLA (10.5–14.7VDC)
 - Energy-21W*20hrs = 420W-h (12V@1.75A)
 - 12V vehicle power adaptor socket
- 5V DC @ 1.5A output (via 12V adaptor)
 - 5.5mm x 2.1mm connector
- Internal DC power fuse – 3AG 10A SB

Switches and Indicators

- DC power switch – On/Off
- DC power ON indicator – red LED
- Charger status LED (internal)
 - (Green = Charged, Orange = Charging)

Physical

- Rugged water resistant case (except switches, connectors, etc.)
- Size – 24.5”L x 20”W x 9.5”D (not including antennas or open handles)
- Mounting plate – 21” x 16” (2”D max)
- Weight – 45 lbs, Color – Tan
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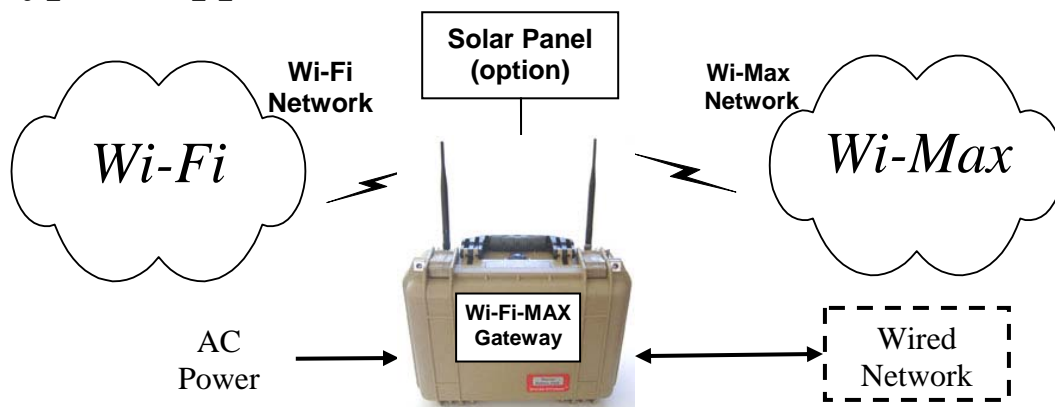
Solar Panel Controller Option

- Input 16V-28V @ 10A Max
- Low battery cut off
- Solar Panel – 20W-100W @ 12V nominal
- Sun - 5hrs*80W*0.6 ~240W-h = load-10W*24
- Mating connector provided (SAE – 2 pin)

Antenna/Internal Cable Options

- Wi-Fi, Cellular, Wi-Max

Typical Application – Portable Wi-Fi-Max Network



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