



“The Source for Power”



BA-8180/U BATTERY

NSN: 6135-01-500-0572

**BA-8180/U
EFB P/N 501200**

1. Battery Description

- 1.1. The BA-8180/U battery pack is designed as a Zinc-Air primary (disposable) battery pack for several military communication devices. The battery consists of two 13.2V batteries and an internal fan. The device in which the battery is used determines whether the battery is used in series (33.6V OCV) mode or parallel (16.8V OCV) mode.
- 1.2. Typical Uses: AN/PRC-117, AN/PRC-119 (SINGARS), AN/PSC-5

2. Battery Compatibility

- 2.1. Rechargeable Batteries: BB-390A/U, BB-590/U, BB-690/Y, BB2590/U
- 2.2. Primary Batteries: BA-5590/U, BA-5390/U, BA-3590/U

3. Discharge Current

- 3.1. Maximum Discharge Current: 2A in 24V mode, 4A in 12V mode
- 3.2. Battery ratings are based upon C/55 in 12V mode (1A) discharge current under ambient conditions

4. Battery Capacity

- 4.1. 27 Ah in 24 volt mode
- 4.2. 56 Ah in 12 volt mode

5. Voltage

- 5.1. Maximum Voltage (OCV): 16.8V per section, 33.6V when connected in series
- 5.2. Nominal Voltage at C/55: 13.2V per section
- 5.3. Minimum Voltage: 10V per section

6. Temperature Storage

- 6.1. The battery must be stored in it's original, sealed metallized bag
- 6.2. Storage must be between -20°C and 60°C (-4°F and 140°F)

7. Operational Temperature

- 7.1. Operational temperature is between -20°C and 60°C (-4°F and 140°F)