Luke AFB ACC TRSS Det 9 12V Solar AMG Batteries

Solar AGM Battery, is a reliable solution for our application. This battery is designed to meet and exceed power requirements for the FOC Battery Power unit.

**Salient Characteristics**

- A 12V voltage with a 20hr capacity of 125Ah

- A reserve capacity of 260 minutes at 25A to 10.5V

- Cycle Life by Depth of Discharge (DOD):

  - 25% DOD: ~1,600 Cycles
  - 50% DOD: ~900 Cycles
  - 80% DOD: ~550 Cycles

- Cold Cranking Amps of 720A and Marine Cranking Amps of 900A

- Resistance: Highly resistant to heavy vibrations, extreme heat, and harsh weather conditions.

- A charging current ranging from 8A to 35A and a charging voltage of 14.4-14.9V

- A float voltage of 13.5V-13.8V

- An exceptional cycle life of up to 1,600 cycles at 25% Depth of Discharge (DOD)

- A design life of 8-10 years in float service

- An energy capacity of 1.7 kWh

- The battery is designed to operate within a temperature range of -4°F to 140°F for both charging and discharging, and storage. It has a nominal voltage of 12V.

- Self-Discharge: Extremely low self-discharge rate

- Measures 12.9"L x 6.8"W x 8.5"H (8.7" with terminals)

- Positive and negative terminals must be threaded holes

- BCI Group size 31

**Charging Requirements**

- Recommended Charging Current: 8A – 35A

- Charging Voltage: 14.4V – 14.9V

- Float Voltage: 13.5V – 13.8V

- Solar Panel Range: 175W – 450W

**Requested Delivery and Quantity (final dates for delivery to be determined upon award)**

50 qty - needed NLT 24 July 2026

50 qty - needed NLT 24 Oct 2026

50 qty - needed NLT 24 Jan 2027

**Delivery Location:** ACC TRSS Det 9 Luke AFB, AZ 85309