

HARWIN

PRODUCTS IN ACTION

DEFENSE & SECURITY UAV

Application:

Battery Power connection.

Background:

UAV platform with cameras and sensors for surveillance and security applications: threat detection, tracking ground assets, disaster management, search and rescue, crowd control. Operates up to 4,500 meters and carries temperature and humidity certification.

The Challenge:

Power required from the battery to a high current payload application, needing continuous 60A current through a cable-to-board connection. Connection must be high-reliability with solder cups on the cable connector.

Harwin Solution:

The Kona 2-contact female cable connector mated to the male PCB connector supplies the high-reliability connection required, with the 60A current-carrying capacity. The PCB connector is on the battery side, making the battery easy to disconnect and replace when required.

