TLS Battery Box Set Up for Riegl Scanners

797 Greg Koltz March 6, 2014 RIEGL 2661

The TLS battery box is comprised of a small Pelican case containing 2 PowerSonic PS-12180NB batteries. They are 12.0 V, 18.0 Ah batteries connected in series for a total of 24.0 V as shown in Figure 1 below.

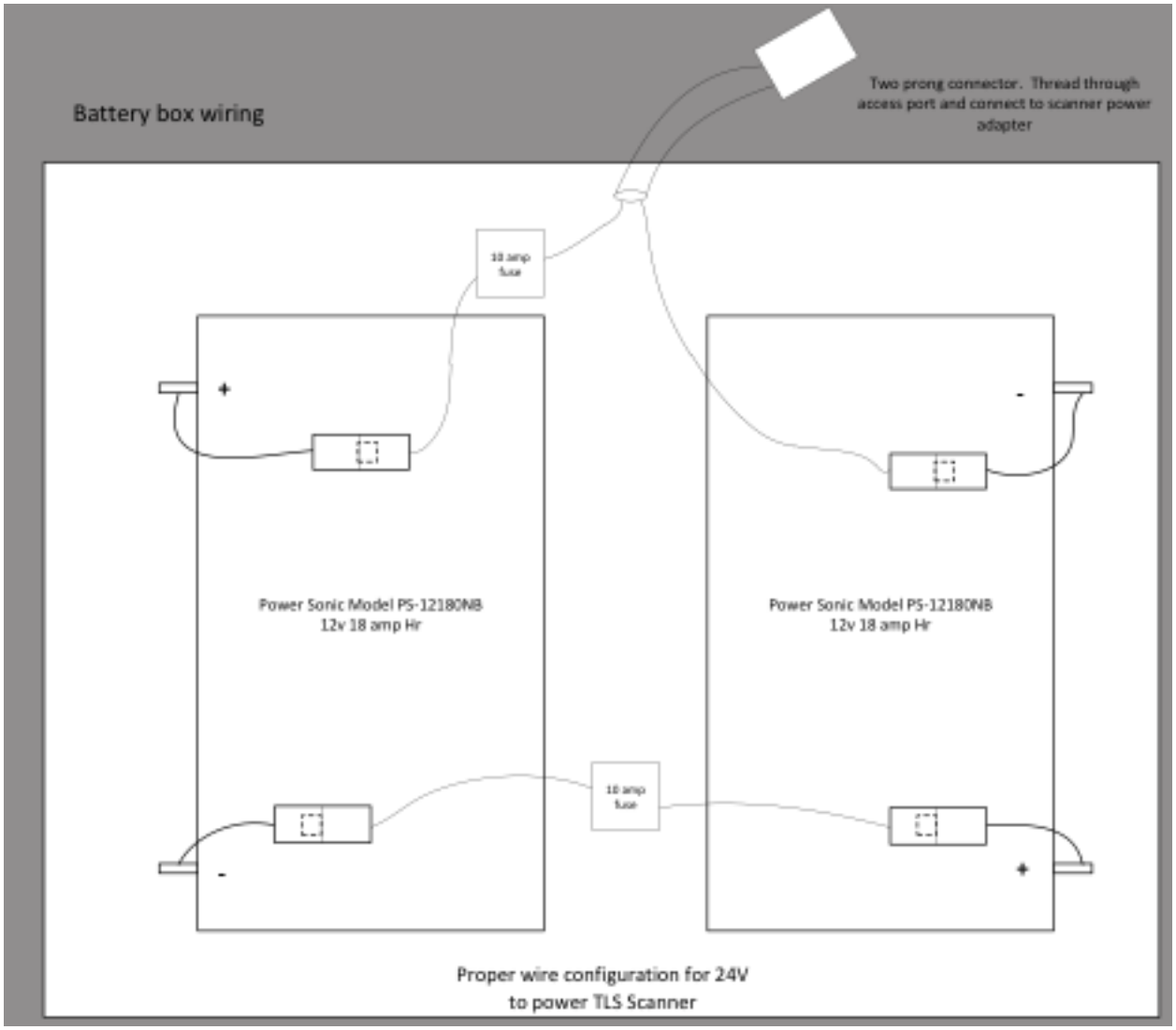


Figure 1

Each battery box comes with a connection kit which includes:

- 4 leads (Two +, Two -)
- 4 nut/bolt pairs to connect leads to battery terminals
- 1 connection to complete circuit and connect to scanner power cable
- 1 10 Amp fuse holder

Figure 2 below is an image illustrating the proper configuration for the battery box and connections.



Figure 2

Each battery weighs 12.0 lbs (5.44 kg) and the total weight of each battery box is 30.5 lbs (13.83 kg).

Helpful links:

- Battery Box Instructions
- Battery Box Configuration and Schematics

Online URL: https://kb.unavco.org/article/tls-battery-box-set-up-for-riegl-scanners-797.html