Battery box wiring

Power Sonic Model PS-12180NB
12v 18 amp Hr

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12v 18 amp Hr

10 amp fuse

Two prong connector. Thread through access port and connect to scanner power adapter.

Proper wire configuration for 24V to power TLS Scanner.
TLS Battery Box Schematic

Bill of Materials
2 - Power Sonic Model PS-12180NB batteries  
1 - Pelican Case (IM2200) from Case Tech  
1 - 43549 Portal from Cases Plus  
1 - Double Conductor Cable Alpha Wire 1899C  
   SL005 Newark # 88K1354 100ft  
1 - 16awg stranded wire Red insulation, any supplier  
1 - 16awg stranded wire Black insulation, any supplier  
2 - Inline Fuse Holder, Digikey F3210-ND  
2 - Fuse Blade 10 amp, Digikey WK6259-ND  
4 - Terminal ring, #10 Digikey 298-10075-ND  
4 - Connect Receptacle 1 pos 0.093, Digikey WM1670-ND  
4 - Connect Plug 1 pos 0.093, Digikey WM-1686-ND  
4 - Connect Terminal Female, Digikey WM1101-ND  
4 - Connect Terminal Male, Digikey WM110-ND  
4 - Spade Screw 10-24 x ½, McMaster Carr 97008A210  
4 - Wing Nut 10-24, McMaster Carr 90866A011  
4 - Lock Washer #10, McMaster Carr 95795A012  
   502-5182-25G-3DC  
1 - Two Pin Socket Conxall/Switchcraft 5182-25G-3DC  
Mouser # 502-5182-25G-3DC  
1 - Two Pin Plug Conxall/Switchcraft 502-3182-2PG-3DC, Mouser # 3182-2PG-3DC  

* You will need a crimp and extraction tool for Molex connectors. Select what is in your budget, there are multiple choices.