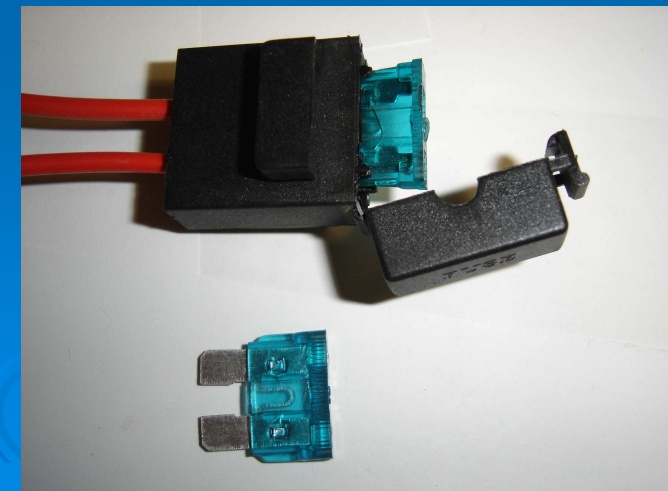
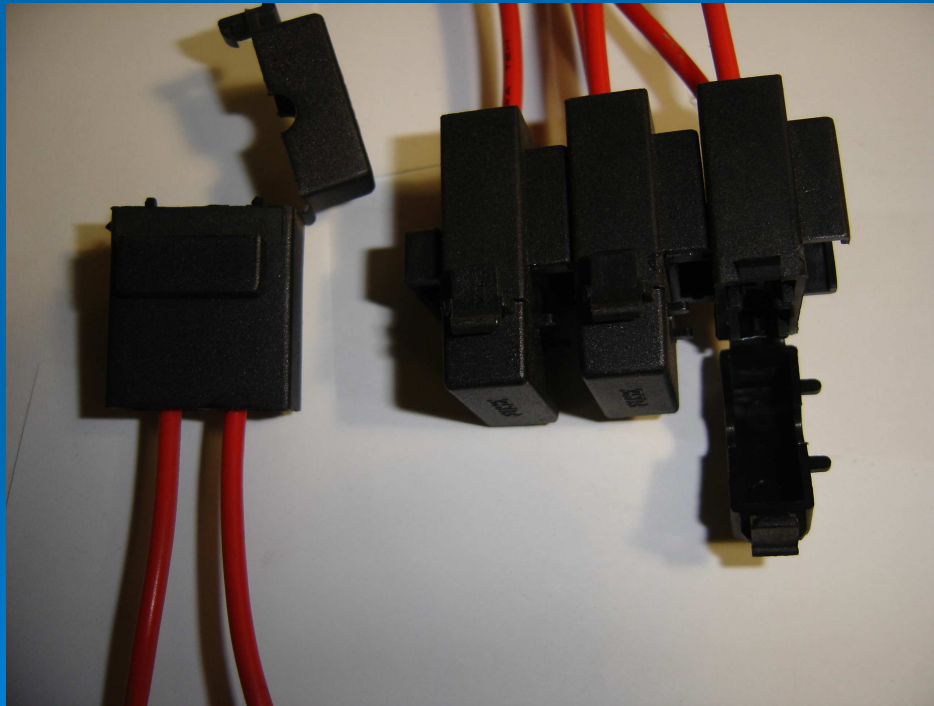


Battery Fusing

- Blade Fuses
- Mini-Blade Fuses



Battery Fusing

- Thermal Fuses (resettable)
- Circuit Breakers
 - Use **ONLY** specifically designed and rated DC circuit breakers



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12VDC Connectors

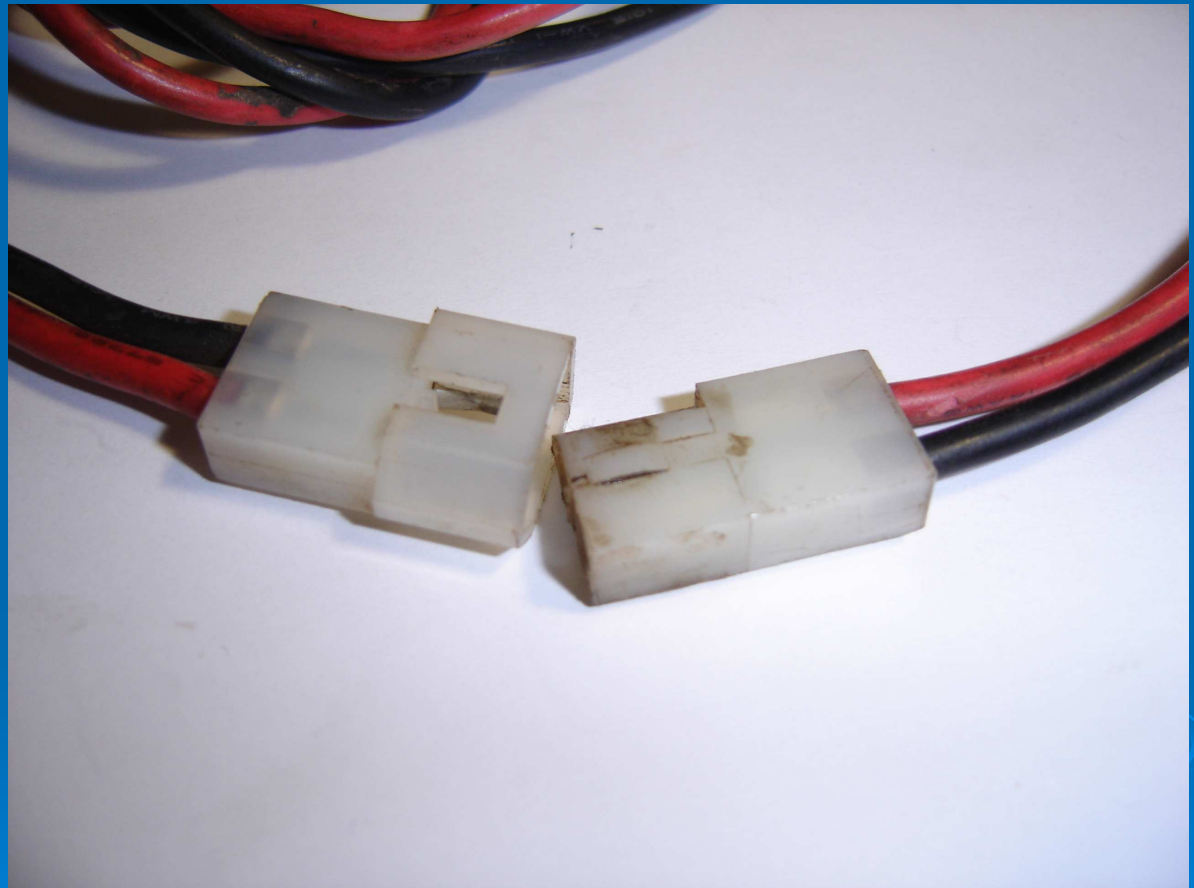
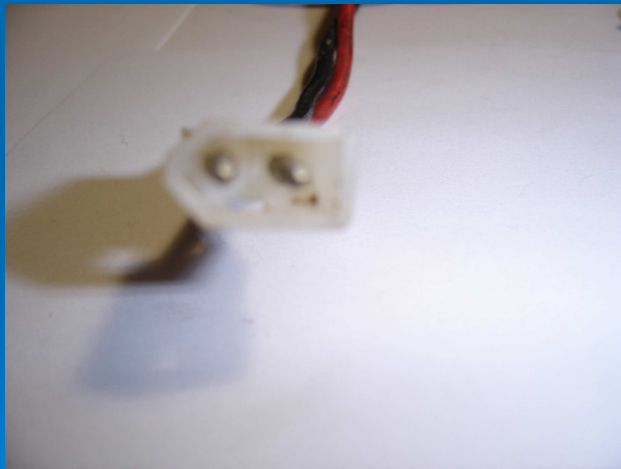
- Need to handle load current
- Need to be polarized
- Need to be standardized
- Need to be inexpensive
- Need to be easily attached
- Allow easy connection / disconnection
- Should not SELF disconnect



Common 12V Connectors

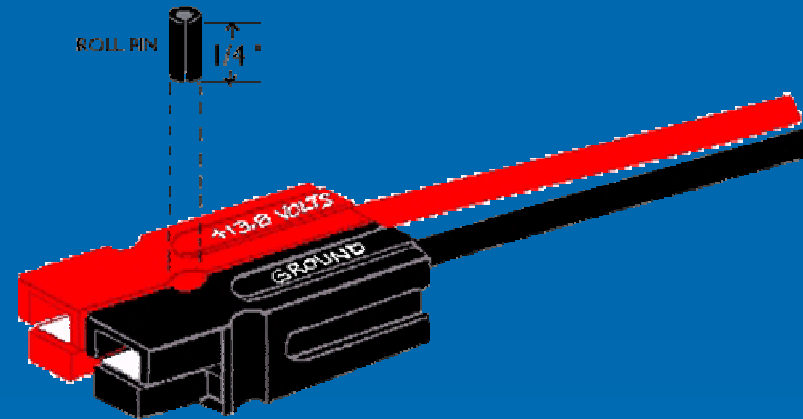
➤ Molex

- ± 8 Amp



Common 12V Connectors

➤ Powerpole



30 and 45 Amp
for Amateur Radio use

Common 12V Connectors

➤ Hella

- ± 18 Amp



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Common 12V Connectors

- Cigar
 - ± 10 Amp
- Hella
 - ± 18 Amp
- Comparison



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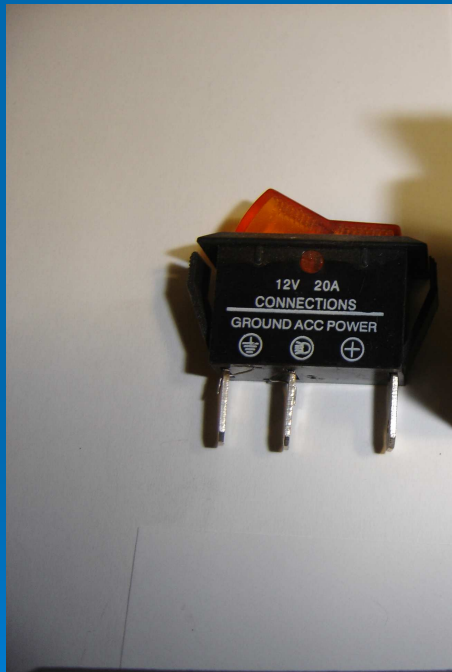
12V Control Components

- Switches
- Relays
- Solenoids



12V Control Components

➤ Switches



12V Control Components

➤ Switches



12V Control Components

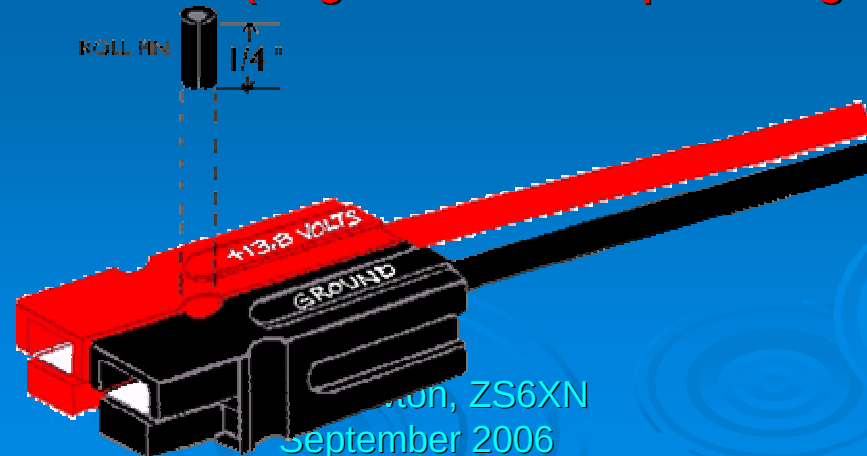
➤ Solenoids



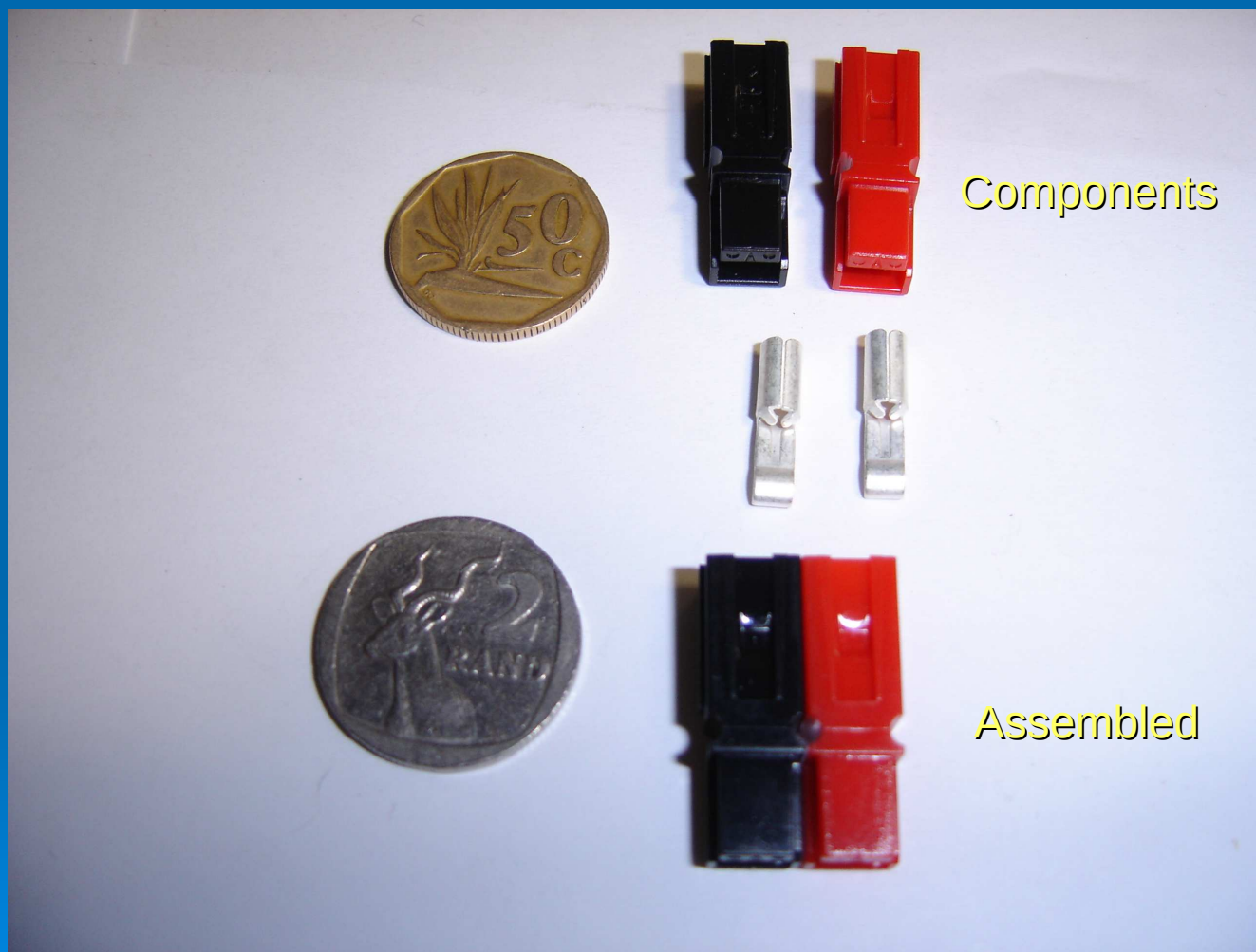
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Anderson 30 Amp Powerpole

- ARES/RACES standard across USA
- Actually rated to 45 Amps
- Can handle 100 Amps
- Exceed your radio's current specifications
- Crimped or soldered
- Gardner-Bender GS-88 crimping tool
- 4mm² MAX cable (larger cables require larger connector)

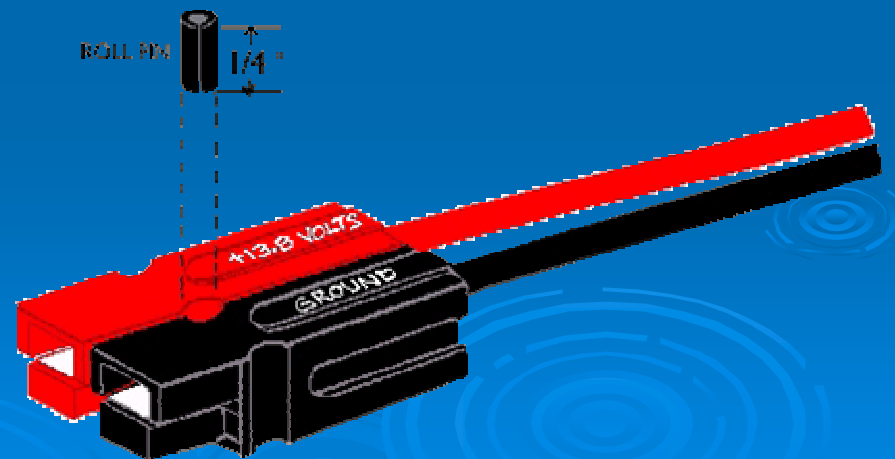
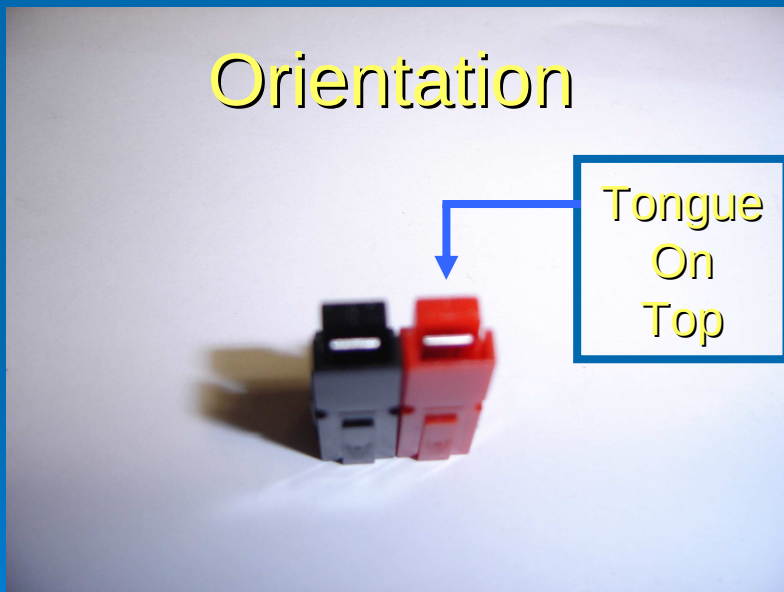


Anderson 30 Amp Powerpole

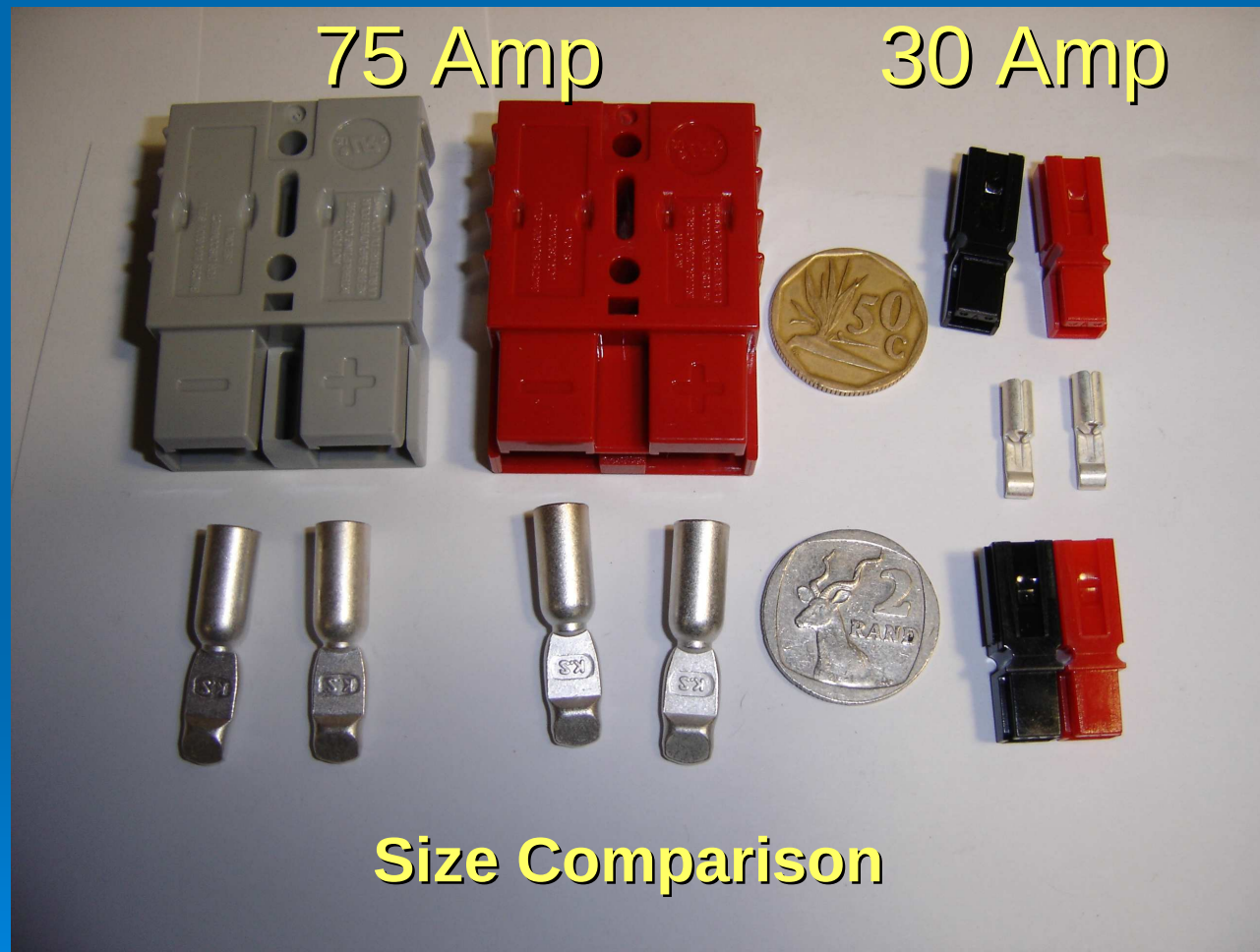


Anderson 30 Amp Powerpole

- Tongue – TOP
- Red - RIGHT



Anderson Powerpole – 75A



Advantages of the using this 12VDC standard

- Handles modern radio power requirements
- Safer than binding posts
- Eases moving equipment
- Enables switch to alternate power
- Allows sharing of equipment and batteries
- Invaluable in Emergency work
- Useful for Field Day and Special Events
- Commercially available fused distribution panels
 - RIRunner – West Mountain Radio
 - MFJ™
 - Etc.

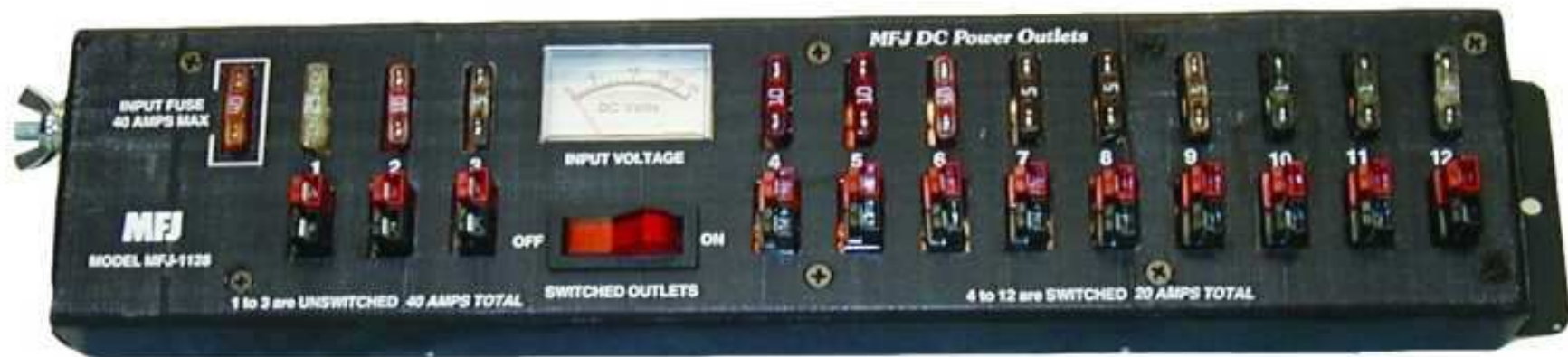


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RIGrunner – West Mountain Radio



MFJ



Red – Dee – 2 - Connect



Battery Connectors

