Neiko 0-16V Battery tester

100A @12V

Resistance off: 15KΩ

$\frac{12V}{15K\Omega} = 0.8mA$

Resistance on: 1.5Ω small clips
0.158Ω Big alligator Clips.

$\frac{12V}{0158} = 76A$ WOW!!

↓ 0.03Ω

real Battery test

$\frac{14.2V}{0.158} = 89.87A$

Test 1: with no PCB

Voltage 14.236V

95A

Test 2: 38mm x 2 = 76mm trace 1oz copper
@distance 30mm trace length
Ambient temperate 21°C

Temperature of Trace = 21°C

Underload

Temperature of trace =

Battery 2: Voltage 16.7V

Remind to test resistance of the load

$\frac{16.7V}{0.158} = 106A$

14.92KΩ off warm