

Voltage Drop Quiz

- Determine voltage drop in grid-tied PV source circuit
(12AWG stranded, 100FT, $ISC = 5.2A$ $IMP = 4.95$, $Temp = 40C$)
- Determine voltage drop in battery charging circuit
(2AWG, 25FT, $ISC = 41.6A$ $IMP = 39.6A$, $Temp = 120C$)
- Is this acceptable for a 12V system with 2%-3% voltage drop?