

Technical Notes**Portawattz**

512-0047-01-01 Rev 1

Recommended DC Wire Sizes for High Power Portawattz Inverters**Portawattz 1000**

| Distance from Battery | Cable Size | OHM/1000 ft | Voltage Drop |
|-----------------------|------------|-------------|--------------|
| 5 ft | 4 | 0.253 | .20 |
| 10 ft | 1 | .126 | .20 |
| 15 ft | 00 | .079 | .19 |
| 20 ft | 000 | .063 | .20 |
| 30 ft | 250MCM | .0423 | .20 |

Portawattz 1750

| Distance from Battery | Cable Size | OHM/1000 ft | Voltage Drop |
|-----------------------|------------|-------------|--------------|
| 5 ft | 2 | 0.159 | .24 |
| 10 ft | 000 | .063 | .19 |
| 15 ft | 250MCM | .0423 | .19 |
| 20 ft | 350MCM | .0302 | .18 |
| 30 ft | 500MCM | .02116 | .19 |

Portawattz 3000

| Distance from Battery | Cable Size | OHM/1000 ft | Voltage Drop |
|-----------------------|------------|-------------|--------------|
| 5 ft | 0000 | 0.05 | .13 |
| 10 ft | 250MCM | .0423 | .21 |
| 15 ft | 500MCM | .02116 | .16 |
| 20 ft | 500MCM | .02116 | .21 |
| 30 ft | 750MCM | .0141 | .21 |

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Technical Note: *Recommended DC Wire Sizes for High Power Portawattz Inverters* © January 1999 Xantrex International

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