

How is DC cable sizing and voltage drop calculated?

Easy PV returns the smallest cable cross-sectional area that achieves a voltage drop less than 1% of the voltage across the cable (or the largest cable if none do).

The voltage drop along a cable is the product of the current and resistance. The current is calculated in the inverter task and we calculate cable resistances from the IEC 60228/BS 6360 stranding chart.

Revision #4

Created 3 November 2025 10:46:01 by Daisy

Updated 14 May 2026 13:37:44 by Daisy