

Tesla Solar Tracker 5

Model # S80A12

Specification Sheet

Physical Size: 9 x 8 x 6 inches, 22.8 x 20.3 x 15.2 cm

Weight: 10 lbs, 0oz, 4.5 kgs

Mounting Orientation: Mounts on table surface, not on wall.

Fan Cooled: YES

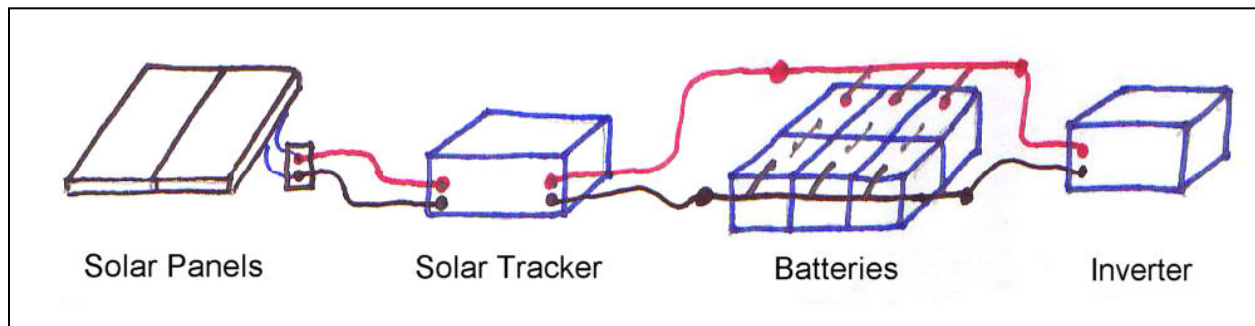
Maximum INPUTS from the Solar Panel

Open Circuit Voltage (Voc): 22 volts DC
Voltage at Maximum Power (Vmp): 18.5 volts DC
Current at Maximum Power (Imp): 80 amps

Maximum OUTPUTS to the 12 volt Battery Bank

Voltage at Maximum Power (Vmp): 15.2 volts DC
Current at Maximum Power (Imp): 80 amps
Watts at Maximum Power (Wmp): 1200 watts

Wiring Diagram



Minimum Connecting Wire Size Recommendations: Copper Only, 4 AWG or 6 mm.

Solar panels should be connected to a terminal block as close as possible to the panels, and large diameter wire run from there to the Input of the Solar Tracker 5. Then run large diameter wire from the Solar Tracker Output directly to the battery system. Make sure the system inverter has its "over-voltage" protection point set above 15.8 volts.