



Avalon Best Installation Practices

1. Wear all appropriate PPE (gloves, safety glasses, rubber-soled shoes) when installing Avalon ESS.
2. Download the “Fortress Power Installer” app on your phone and familiarize yourself with its layout and features. Create an account directly within the app.
3. Carefully label all conductors between the Smart Energy Panel (SEP) and the inverter.
4. Ensure L1 and L2 are phased correctly between the inverter grid port and inverter backup port. Each SEP has a wiring diagram on the inside of the door to facilitate wiring.
Failure to follow this may void your warranty.
5. Double-check all communication wiring during installation. If longer communication cables are required, please use shielded/twisted pair wires.
6. Carefully lift the levers on the load-shedding circuits in the SEP. These levers lift to horizontal only and should not be over-torqued.
7. When wiring communications to the grid meter of the SEP use a small flathead screwdriver to lift each orange tab of the green meter connector.
8. Do not adjust the “Grid Manual Switch” in the SEP unless directed by a support agent. This switch is controlled automatically by the inverter.
9. When energizing the system, power on battery, Inverter, then SEP. Note that the battery will power the SEP screen from the 24VDC wiring.
10. There is a short waterproof antenna that comes with the SEP, be sure not to lose it during unboxing as it ensures a strong signal for commissioning and Wi-Fi connection.

If you need any assistance with your installation, please contact our Technical Support by filling out a ticket on our website at www.fortresspower.com/support or giving us a

call at 877-497-6937