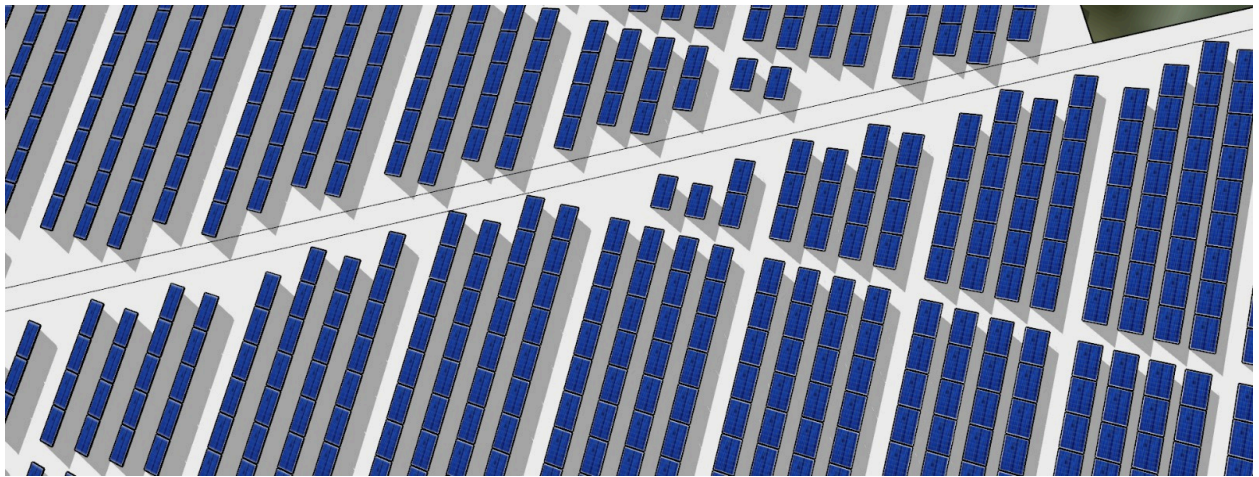
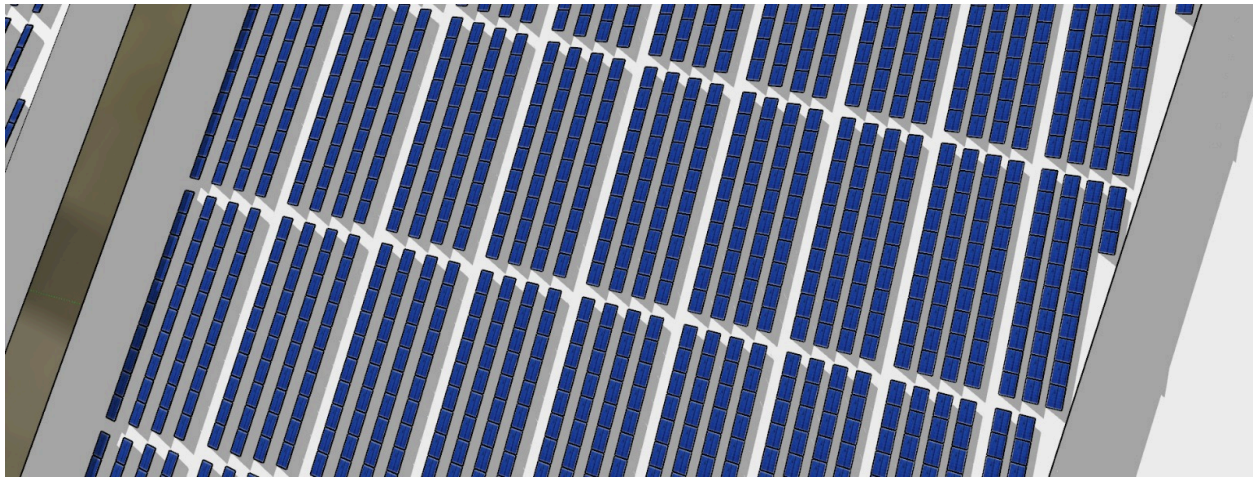
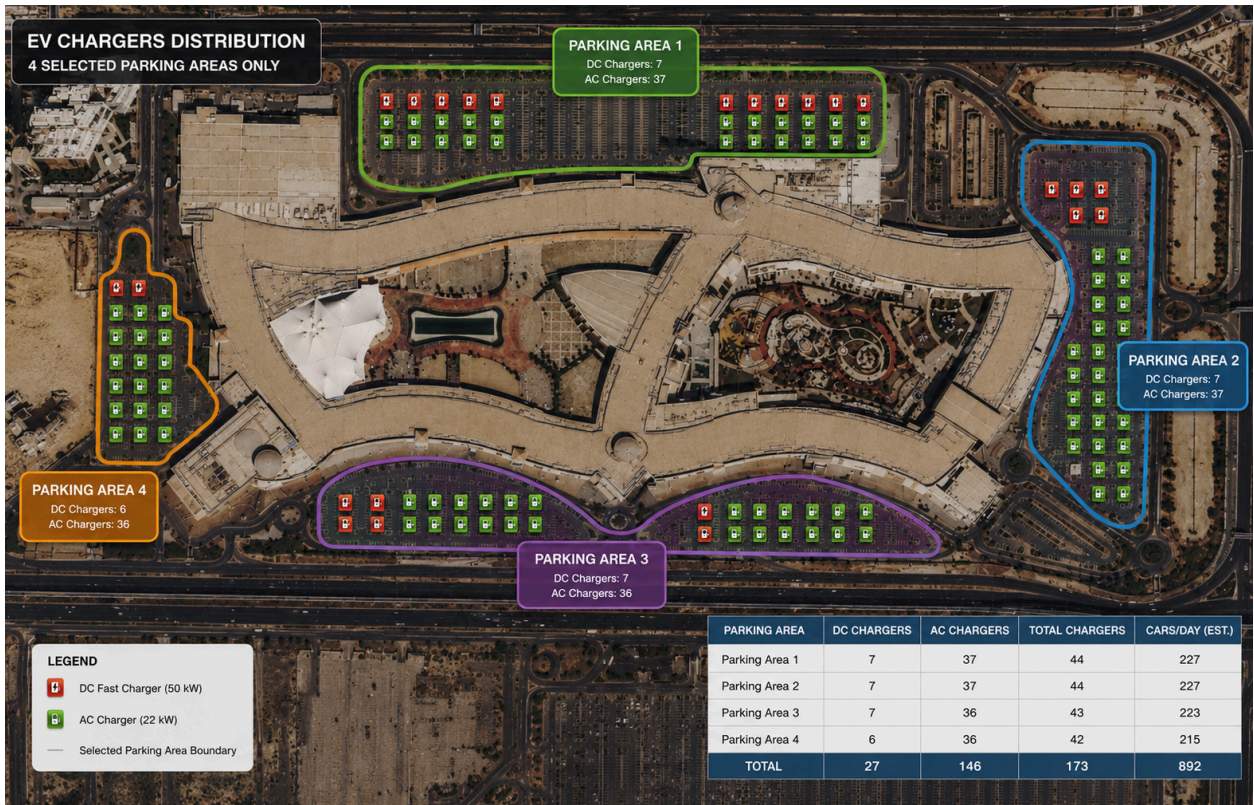


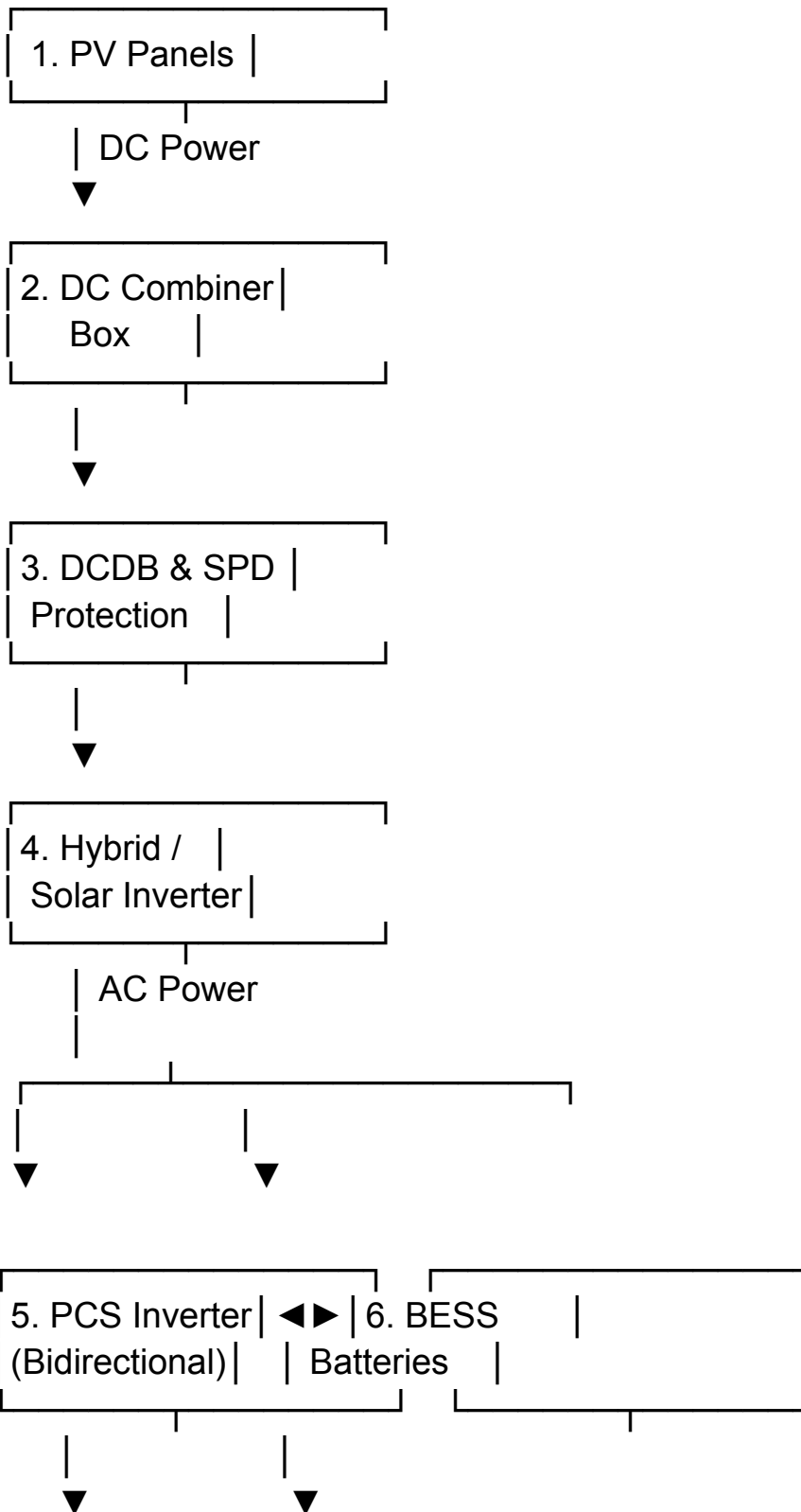
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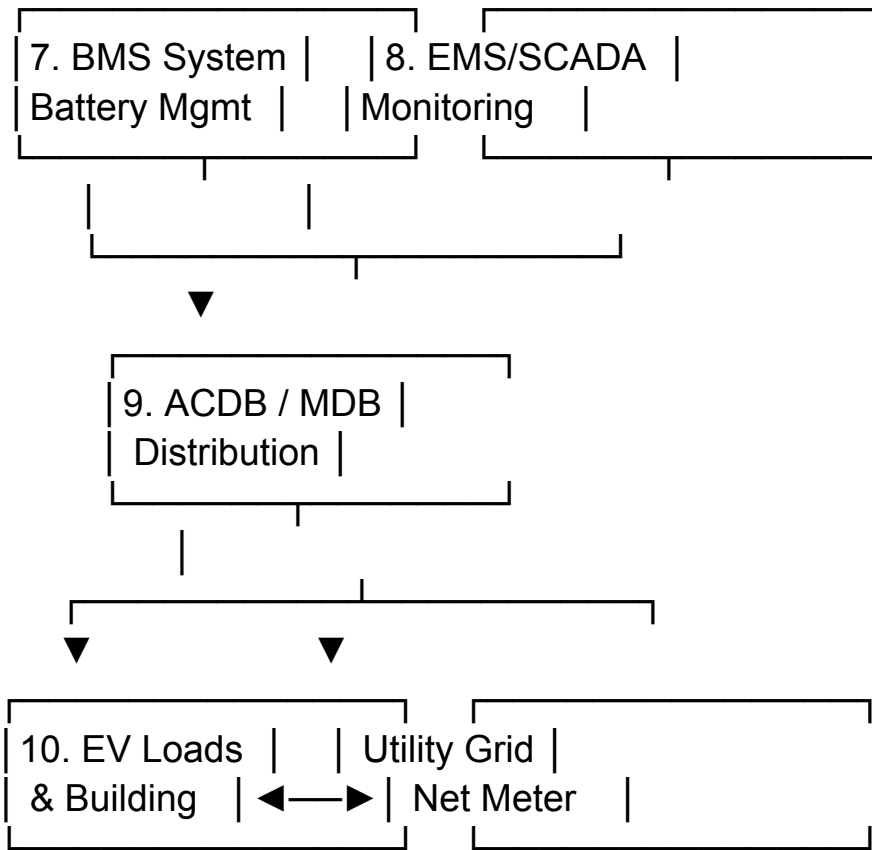






## GRID-CONNECTED PV SYSTEM WITH BESS





### Components Flow

1. PV Panels generate DC power.
2. DC Combiner Box combines PV strings.
3. DCDB & SPD provide protection.
4. Hybrid inverter converts DC to AC.
5. PCS inverter controls charging/discharging of BESS.
6. BESS stores excess energy.
7. BMS monitors battery safety and SOC.
8. EMS/SCADA controls and monitors the whole system.
9. ACDB distributes AC power.
10. Power is supplied to EV chargers, mall loads, and the utility grid.