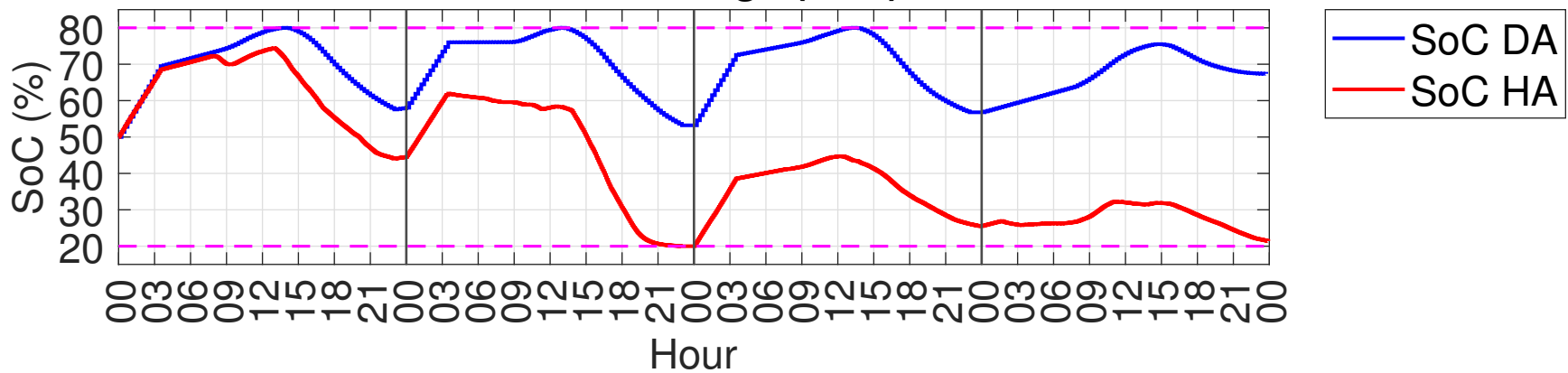
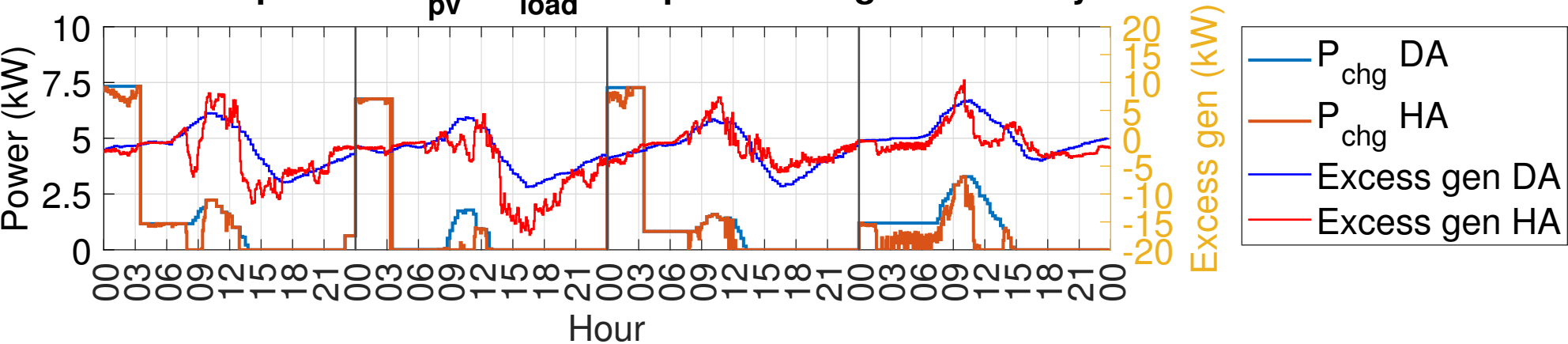


**State of charge (SoC)**



**Excess power =  $P_{pv} - P_{load}$  and power charged to battery**



**Excess power =  $P_{pv} - P_{load}$  and power discharged from battery**

