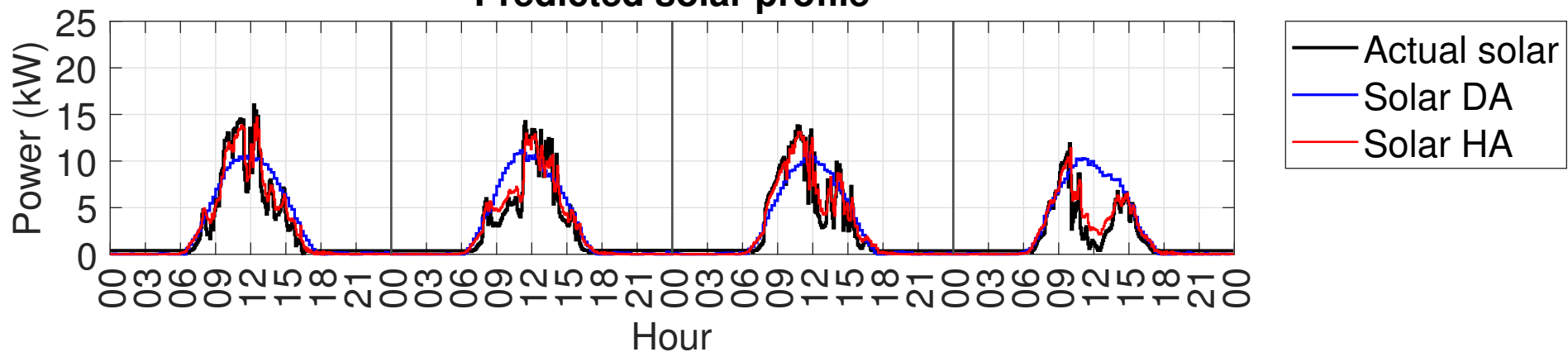
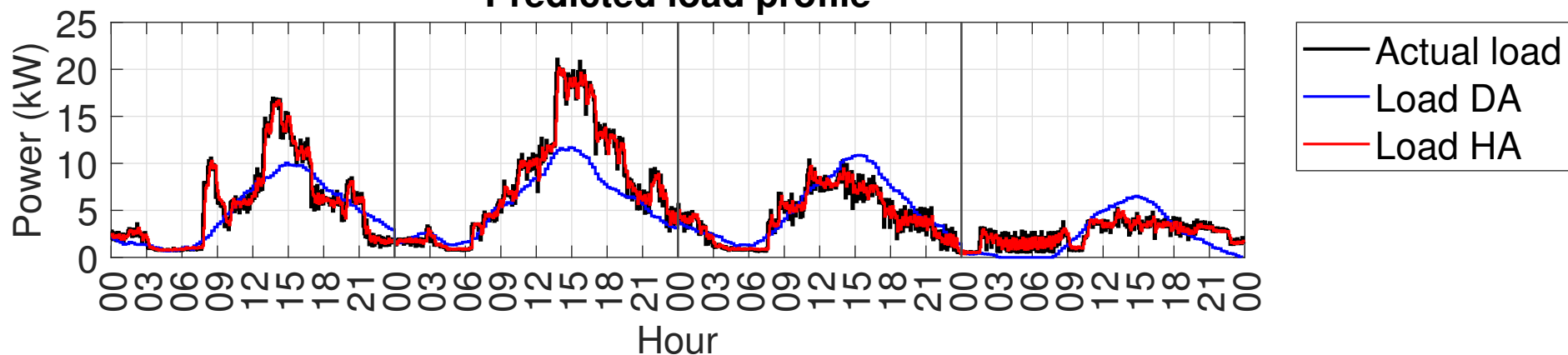


Predicted solar profile



Predicted load profile



Excess power = $P_{pv} - P_{load}$ and battery charge/discharge status

