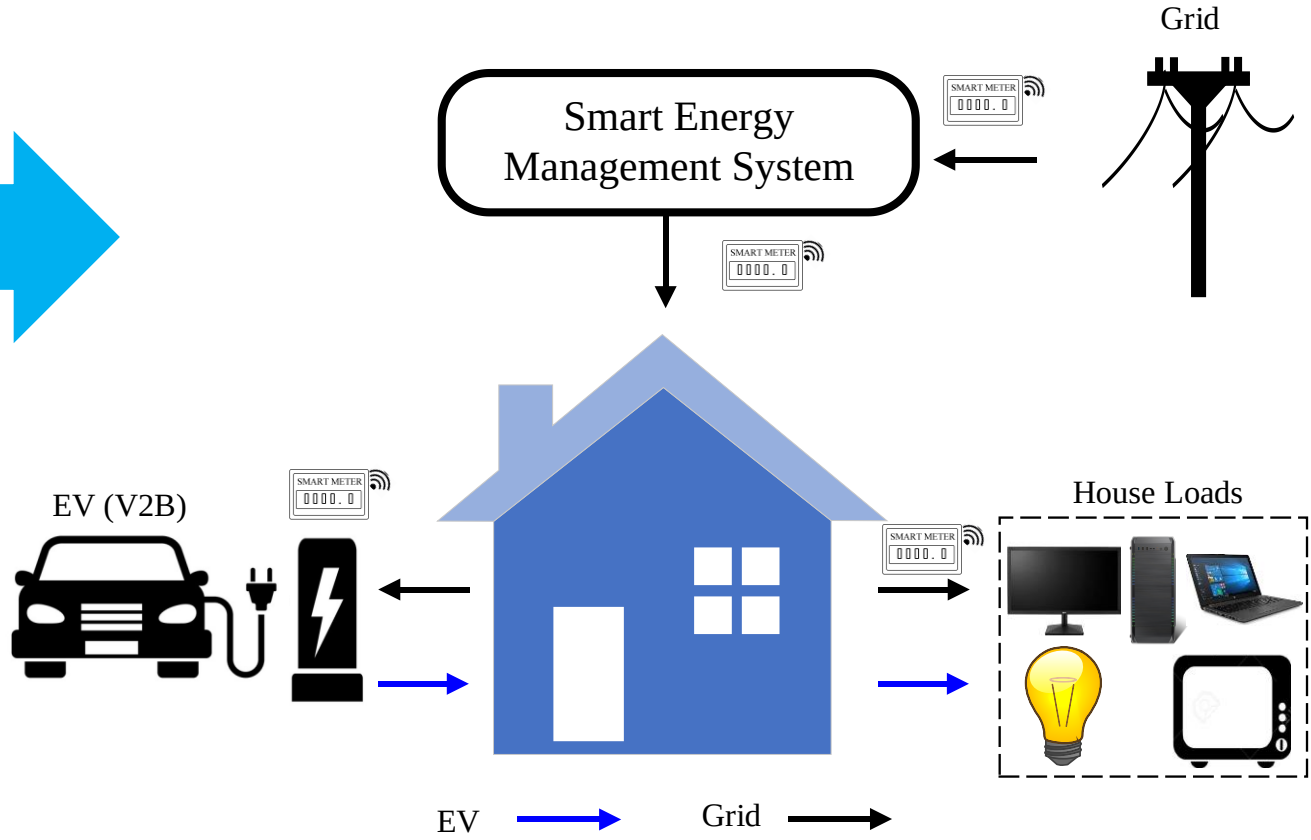
PROJECT CASE STUDY

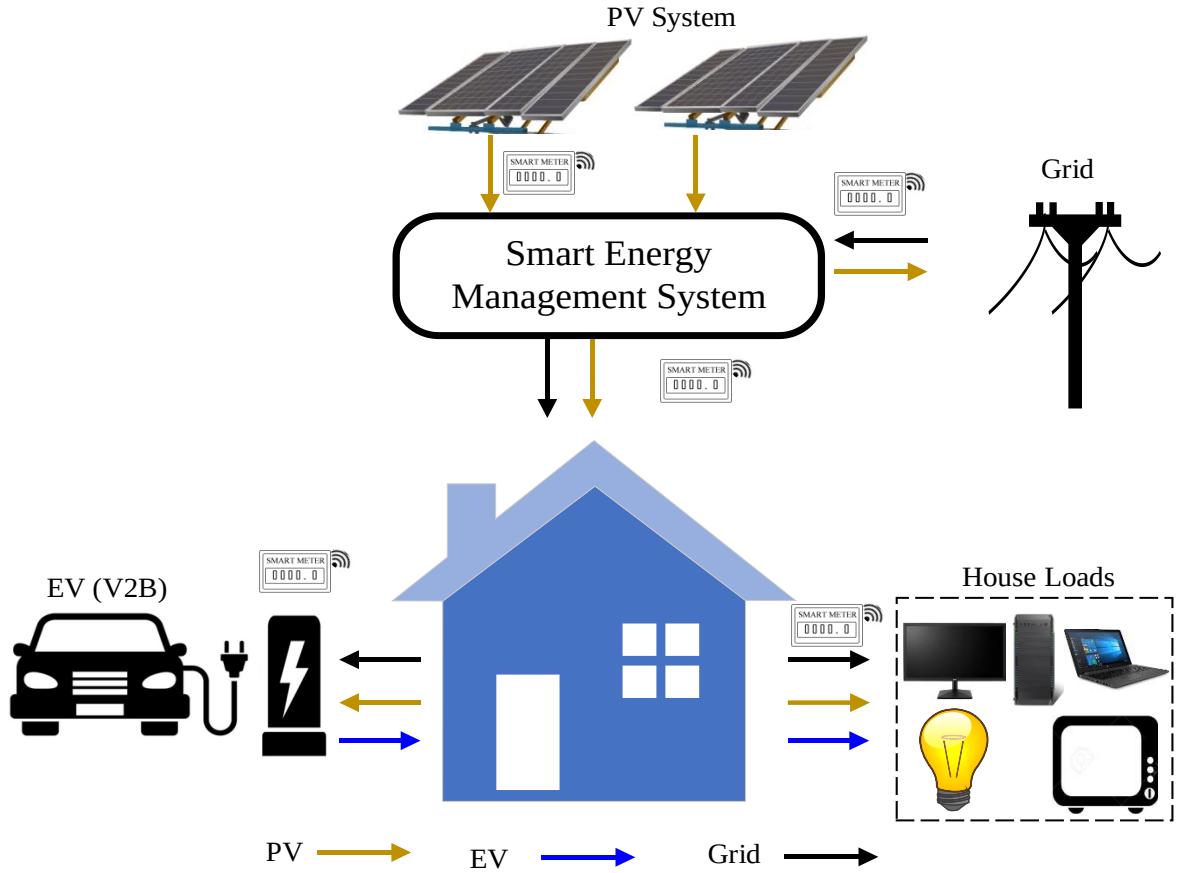


OF=Min (Total Energy Costs)
= SUM [Pgrid(t) * Ecost(t)]

Pgrid(t) =
PgridtoHouse(t) + PgridtoEV(t)

Max Power for the User	Energy Price Zone	Max PV Production	Daily PV Production	BESS Capacity	BESS CH & DIS	EV Battery Capacity	EV Battery SoC (M & E)	Total Daily Energy from Grid	New Daily Energy from Grid	Daily Energy Cost
7	SE4	NE	NE	NE	NE	45	75.5, 33.3	93,73	83,23	79,7

PROJECT CASE STUDY

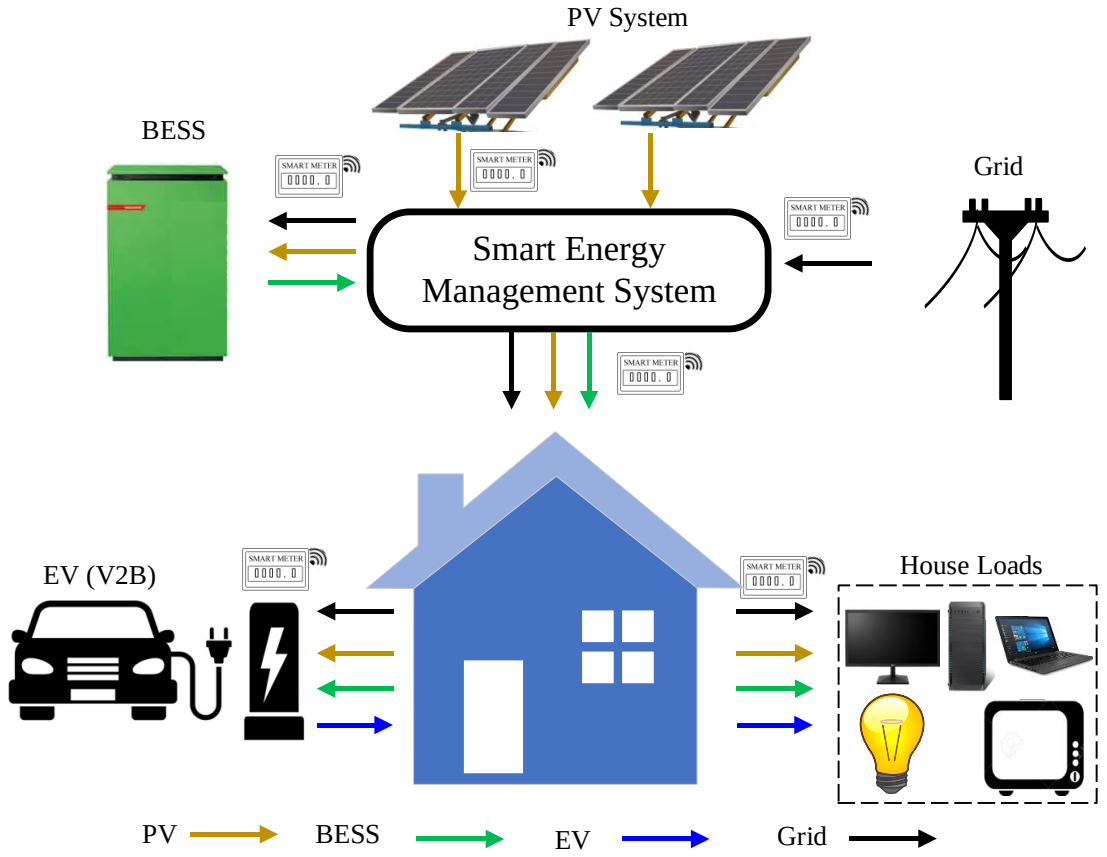


OF=Min (Total Energy Costs)
= Pgrid(t) * Ecost(t)

Pgrid(t) =
PgridtoHouse(t) + PgridtoEV(t)

Max Power for the User	Energy Price Zone	Max PV Production	Daily PV Production	BESS Capacity	BESS CH & DIS	EV Battery Capacity	EV Battery SoC (M & E)	Total Daily Energy from Grid	New Daily Energy from Grid	Daily Energy Cost
7	SE4	2,28	10,05	NE	NE	45	75.48, 33.3	93,73	73,17	68,64

PROJECT CASE STUDY



OF=Min (Total Energy Costs) = Pgrid(t) * Ecost(t)

Pgrid(t) = PgridtoHouse(t) + PgridtoEV(t)

Max Power for the User	Energy Price Zone	Max PV Production	Daily PV Production	BESS Capacity	BESS CH & DIS	EV Battery Capacity	EV Battery SoC (M & E)	Total Daily Energy from Grid	New Daily Energy from Grid	Daily Energy Cost
7	SE4	7,99	35	18	5.04, 6.29	45	77.78, 33.33	90,26	68,56	64,86