

# Solar Load Analysis Report

## Appliance List:

PS5 Gaming Mode - 210.0W x 1 for 5.0h/day  
PS5 Streaming Mode - 57.0W x 1 for 5.0h/day  
standby mode - 4.2W x 1 for 24.0h/day  
TV - 90.0W x 1 for 10.0h/day  
TV - 100.0W x 1 for 20.0h/day  
bulb - 5.0W x 13 for 18.0h/day  
FRIDGE - 100.0W x 1 for 16.0h/day  
CHANDELIER - 60.0W x 2 for 2.0h/day  
laptop - 5.0W x 1 for 18.0h/day  
blender - 1000.0W x 1 for 0.166666666666h/day

## System Analysis Summary:

Total Daily Energy Demand: 7602.47 Wh  
Recommended Solar Panel Size: 2172.13 W  
Recommended Battery Capacity: 633.54 Ah @ 24.0V  
Suggested Inverter Size: 2276.56 W