

T.C.
ANKARA YILDIRIM BEYAZIT UNIVERSITY
FACULTY OF ENGINEERING AND NATURAL SCIENCES
ENERGY SYSTEMS ENGINEERING DEPARTMENT

ESE – 40... ENERGY SYSTEMS LABORATORY -...
Examination of Off Grid Solar Energy Systems With
AC Load Connection Experiment Report

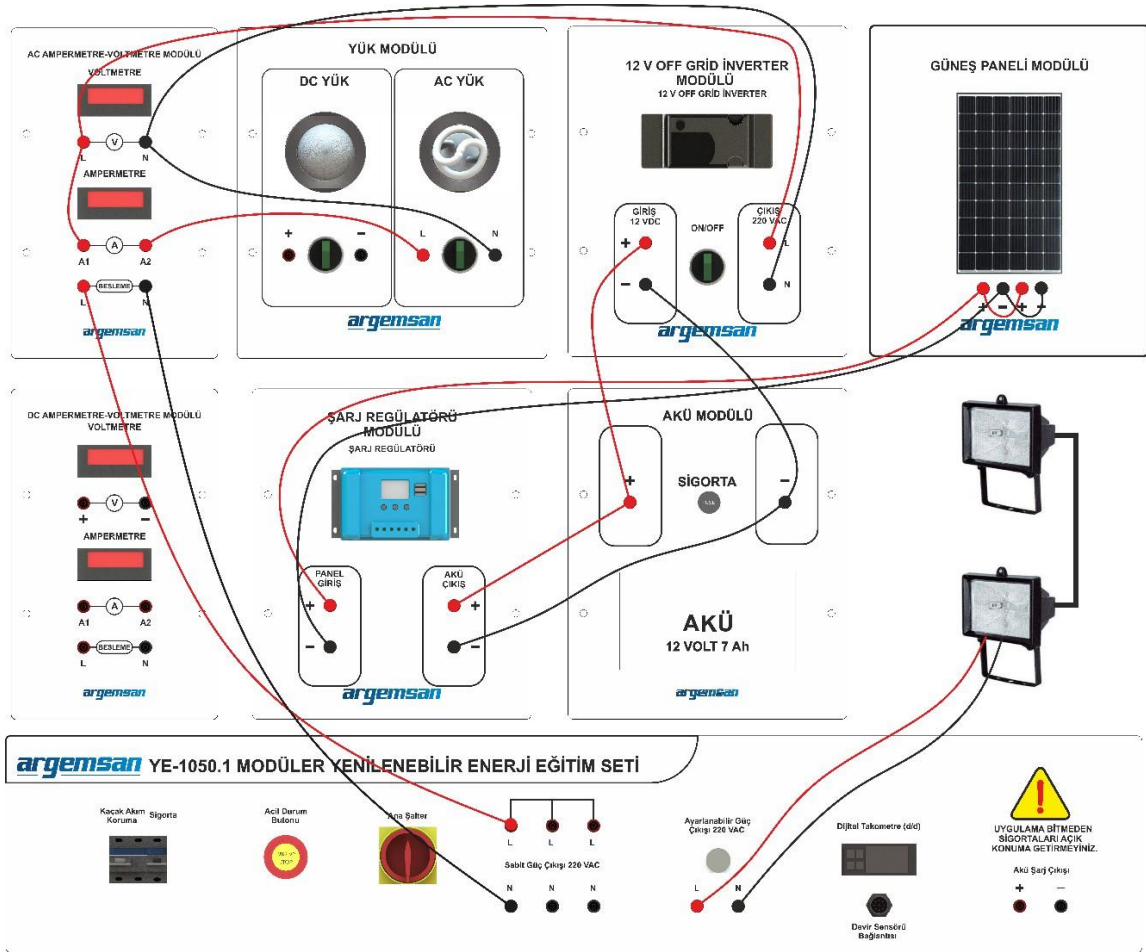
Student ID Number:

Name Surname:

Experiment Date:

Grade:

EXPERIMENT SETUP



REPORT

1. Cover page.
2. Investigate the parts of experiment setup and answer these questions:
 - Are solar panels connected as series or parallel in our experiment setup?
 - What does battery do in our experiment setup?
 - What does inverter do in our experiment setup?
 - What does charge regulator do in our experiment setup?
 - Why is it called as off grid?
 - Does this experiment depend on the light or angle? According to your answer, explain why.
3. Do your calculations.
4. Discuss the conclusions.

Angle(°)	Volt (V)	Amper (A)	Power (W)
0			
30			
60			
90			