

Off-Grid Solar Design Specification

1. Project Overview

Project Name

Location

Description

2. Load Analysis

Total Daily Energy Demand (Wh/day)

Peak Power Demand (W)

Load Profile Details

3. Solar Array

PV Module Type

Number of Modules

Total PV Array Power (W)

Tilt/Orientation

4. Battery Storage

Battery Type

Total Storage Capacity (Ah/Wh)

Days of Autonomy

5. Charge Controller

Type/Model

Voltage Rating

Current Rating

6. Inverter

Type/Model

Rated Power (W)

Output Voltage

7. System Protection & Wiring

Fuse/Breaker Details

Wiring & Cabling Notes

8. Mounting & Structure

Mounting Type

Material/Notes

9. Monitoring & Metering

System Monitoring

Metering Details

10. Additional Notes