

## Questionnaire for Off-Grid Systems

This planning list assists you in calculating the average daily energy consumption and the maximum power demand. Please insert your data in the corresponding fields below.

For your information please find below a table of typical consumers and their power demand.

Your information will provide us with important, practical indications for the dimensioning of a solar system, that is tailored to your specific needs.

### Customer data

Name: \_\_\_\_\_

Adress: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

### Location

Country: \_\_\_\_\_

Town: \_\_\_\_\_

### Installation site

Mounting surface for solar modules in m<sup>2</sup>: \_\_\_\_\_

Orientation: \_\_\_\_\_

Inclination [°]: \_\_\_\_\_

Type of installation:  on roof  free standing

### Time of operation

All year round:  yes  no

Seasonal

Jan  Feb  Mar  Apr  May  June  July  Aug  Sep  Okt  Nov  Dec

Days of operation (week): \_\_\_\_\_ Days of autonomy: \_\_\_\_\_

Alternative energy sources available (wind power, diesel generator)?  yes  no

Planned budget: \_\_\_\_\_ \$US / €

## Appliances

Electrical devices	Quantity	power [W]	Hours / day	Remarks

Alternativ indication:

I know my daily energy consumption: \_\_\_\_\_ [kWh]

Typical electrical devices and their rating [W]	
Appliance	Power Demand
LED Lamp	5 - 10 W
TV 25" color	120 W
Stereo	10 – 50 W
Laptop	30 – 70 W
Desktop computer with monitor	120 – 200 W
Vacuum cleaner	500 – 1200 W
Ceiling fan	20 – 60 W
Air conditioner - room	1000 W
Mobile charger	10 W
Microwave	600 – 1500 W
Electric water kettle	1500 – 2500 W
Hairdryer	1000 W
Toaster	800 - 1500 W
Fridge	40 – 150 W
Freezer	100 – 250 W
Iron	1000 – 1500 W
Washingmaschine	1200 – 2500 W
Angel grinder	600 – 1000 W
Circular saw	500 – 1000 W
Electric drill	500 – 1000 W