

Energy systems



Name of salesperson/agent

Date (dd.mm.yyyy)

Customer information

Contact details

Company name

Contact person

Street, No.

Postal code/town

Country

Phone/Fax

E-mail

Big Dutchman or BD PowerSystems customer yes no customer ID

Shipping address *(if different from contact details)*

Street, No.

Postal code/town

Country

Coordinates installation site

(example: N52.771909°, E8.262696°)

General information

Business unit

Egg Poultry Pig Other

Houses to be supplied with energy

House	1	2	3	4	5	6
Actual house label						
Animals per house						

Energy systems



Dimensions and orientation of building and roof for the SunFarm

(Please use a separate sheet to add multiple different buildings or areas for ground-mounted PV systems.)

Gabled roof applicable for house 1 2 3 4 5 6

Roof pitch (α) °

Roof orientation °

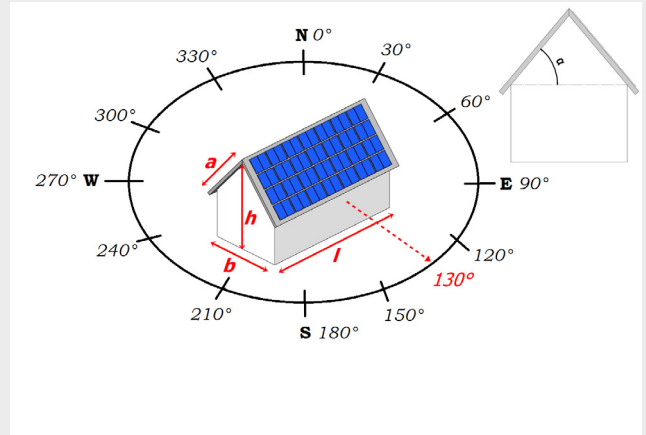
(example: orientation in right sketch = 130°)

Building height (h) m

Building length (l) m

Building width (b) m

Roof length (a) m



Mono-pitched roof applicable for house 1 2 3 4 5 6

Roof pitch (α) °

Roof orientation °

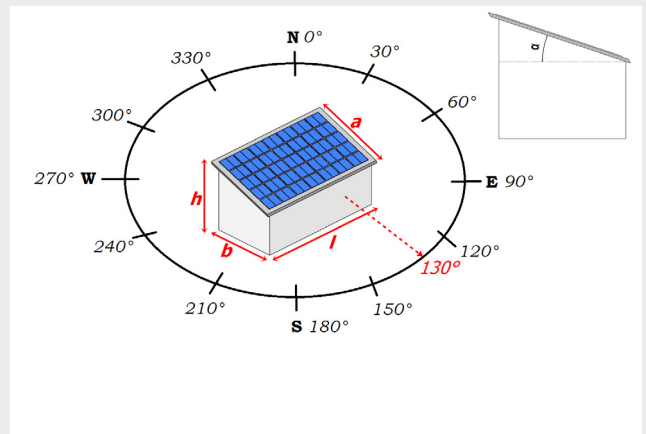
(example: orientation in right sketch = 130°)

Building height (h) m

Building length (l) m

Building width (b) m

Roof length (a) m



Hipped roof applicable for house 1 2 3 4 5 6

Roof pitch (α) °

Roof orientation °

(example: orientation in right sketch = 130°)

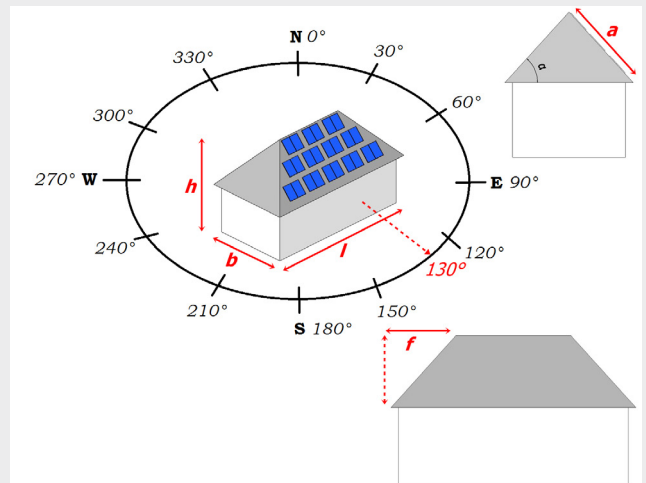
Building height (h) m

Building length (l) m

Building width (b) m

Roof length (a) m

Hip depth (f) m



Energy systems



Flat roof applicable for house 1 2 3 4 5 6

Building orientation °

(example: orientation in left sketch = 130°)

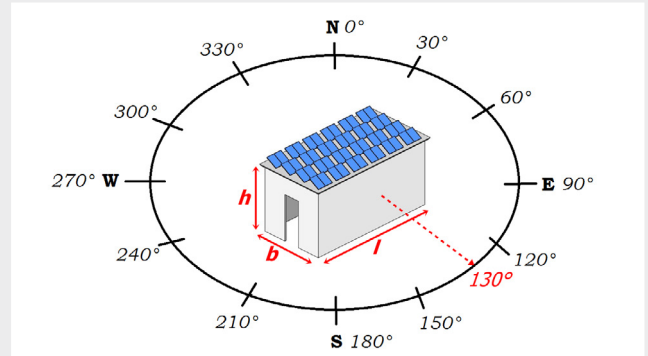
Building height (h) m

Building length (l) m

Building width (b) m

Attic (parapet wall) existent yes no

If so, please specify the position as well as height, length and width and/or add a sketch.

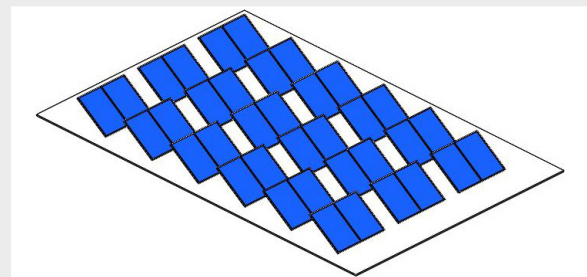


Ground-mounted

Available area m²

Subsoil

Flat subsoil yes no



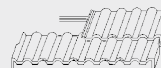
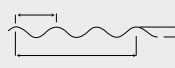
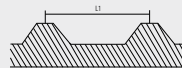
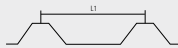
Please add a plan with dimensions and orientation of the considered area.

Please note: In case of roof-mounted installations, the roof must be able to carry an additional load of at least 20 kg/m² to support the extra weight of the PV system. If PV systems are installed on flat roofs, additional ballast might be needed, which would increase the required carrying capacity of the roof. The necessary amount of additional ballast depends on the local wind conditions.

Optional: Please attach pictures of the building (photographs, satellite pictures) to illustrate the situation.

Roof cover

Trapezoidal sheets Sandwich panels Corrugated sheets Roof tiles



Material roof covering

Material roof substructure Steel Timber Other

Roof installations or shadow-casting objects existent no yes

(Please attach pictures or sketches to illustrate the situation.)

Please note: Interrupting surfaces on the roof (e.g. windows) as well as shadow-casting objects (e.g. silos, chimneys, other buildings, trees) may reduce the usable surface area on the roof for PV. The quotation will be based on all provided information. Accurate descriptions, drawings and plans will reduce the deviation between the size of the PV plant proposed in the quotation and in the detailed system layout, which will be developed after placing the order.

Energy systems



Electrical system information

Power supply

Grid configuration

1 Phase / Neutral / PE (*worldwide*)

2 Phases / PE (*North America*)

3 Phases / PE (*North-/ South America, Asia*)

3 Phases / Neutral / PE (*worldwide*)

Voltage 100 – 480 V

In case of 1 Ph/N/PE, 2 Ph /PE, 3 Ph/PE

= e. g. 120 V, 230 V, 240 V

In case of 3 Ph/N/PE

= e. g. 230/400 V, 127/230 V, 240/415 V

Hertz 50 / 60 Hz

50 Hz

60 Hz

Accumulated duration of power failures per day (in average): hours

Size of grid connection kVA and/or A

Please note: If no public power grid is accessible, please contact BD PowerSystems for alternative options.

Operation mode

Grid feed-in only (no internal energy consumption)

Please note: Feed-in of the all produced energy into the grid must be possible!

Maximum utilization of the available roof space

Specified PV generator size kWp

Please proceed with section »Electricity costs«.

Internal energy consumption

Dimensioning of the PV generator size by BD PowerSystems

Specified PV generator size kWp

Feed-in of surplus power is permitted

Other information

Energy systems



Consumption data

Combined maximum annual base load of all houses that the PV generator is supposed to cover *(only for internal energy consumption systems)*

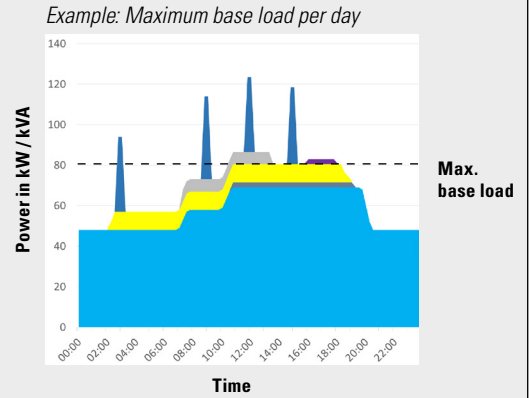
Apparent power kVA

Active power kW

Reactive power kvar

Annual total energy consumption
active energy kWh

Please attach load profiles, if available. These will enable an optimal dimensioning of the system.



Electricity costs

Basic price € per year

Kilowatt-hour rate € per kWh

Demand rate € per kW for kW

Other pricing model, please specify

Feed-in remuneration

Current feed-in remuneration for PV energy € per kWh

Other pricing model, please specify

Energy systems



Additional project information

Expected date of realization (dd.mm.yyyy)

Support regarding the application process with public network supplier desired? yes no

General documents

In order to dimension the optimal PV system for you, the following documents are helpful

- | Building plans
- | Sketches of the attic (parapet wall) (if existent)
- | Pictures of the building
- | Pictures of potential shadow-casting objects (e.g. silos, chimneys, other buildings, trees)
- | Site plans
- | Electrical connection plans/circuit diagrams
- | Load profiles (for internal energy consumption systems)

Other information

Reset document