

PV Kits Components Structure

Product ERP Code: PTG306.03118

EAN Barcode: 5940613017552

Product Denomination: Supply of Rooftop Industrial PV Kit 1000kW with BESS, System Type: Hybrid, Electrical Connection Type: ThreePhase, Battery Storage System: 250 kWh

Installation is considered for Romania only. For other countries, additional fees must be considered from case to case. The below structure is only a sample of the options available, for reference purposes only. Our policy of continuous improvement may result in a change of specifications without notice. If any discrepancies might be between the data sheet values and standards, we reserve the rights to make technical changes. Our company will not be held responsible, as all or any of the pictures, drawings, weights and dimensions, details or other elements in this document are only indicative and must not be considered contractual.

The following components structure presents a mix of potential options, which will be chosen by the technical team depending on various criteria such as but not limited to project type, project location, rooftop or ground type and size, limitation of assembly of elements, product availability and product price, etc. The final PV Kits Components Structure will be the one mentioned in Technical Documentation offered by the Contractor/Executant.

The products which may be needed, based on technical analysis and documentation from project to project and are not included in the componence structure below, will be invoiced separately by the Contractor/Executant.

1. Panels Power & Qty (Will be offered one variant only, based on the panel available power and engineering solution). Power expressed in Wp.

Panel Power (W)	No. of pieces per System **
400	2500
405	2469.14
410	2439.02
415	2409.64
420	2380.95
425	2352.94
430	2325.58
450	2222.22
455	2197.8
460	2173.91
475	2105.26
500	2000
530	1886.79
550	1818.18
555	1801.8
560	1785.71

590	1694.92
660	1515.15

** Each system may have a variation of (+/-) 5% reason for which the number of panels will be chosen to fit in that variation.

2. Inverters (Will be offered one variant only, based on the inverter power and engineering solution. Mixed solution can be offered). Power expressed in kW.

Invertor Power (kW)	No. of Inverters **
3	333.33
4	250
5	200
6	166.67
8	125
10	100
12	83.33
15	66.67
17	58.82
20	50
25	40
30	33.33
36	27.78
40	25
50	20
100	10
115	8.7

** Each system may have a variation of (+/-) 5% reason for which the number of inverters will be chosen to fit in that variation.

*** If values are lower than 0,8 and higher than 1,2 should not be taken into account. The technical team can choose a mix of inverters to support the installed system.

3. Solar Cable (Will be offered one variant only, based on the engineering solution. Mixed solution can be offered with different cross-sections)

Quantity considered per kW	20m/kW included, additional lengths will be paid extra by Beneficiary
Quantity considered per system (m)	20000

4. AC Cable (Will be offered based on the engineering solution, between 1m and 3m/kW. Cable cross-sections will be calculated for each project. Additional lengths will be paid extra by Beneficiary.)

Quantity considered per kW	Minimum (1m/kW)	Maximum (3m/kW)
Quantity considered per system min. & max. (m)	1000	3000

5. Coppex Pipes (Will be offered one variant only, based on the engineering solution. Dimension on internal diameter will be established by the engineering team. Mixed solution can be offered.)

Quantity considered per kW	5m/kW included, additional lengths will be paid extra by Beneficiary
Quantity considered per system (m)	5000

6. Metal Structure and Related Accessories (Will be offered full kit, based on the engineering solution.)

Will be set up based on roof type and engineering solution.
Kit

7. Electrical Panel & Logger (Will be offered full kit, based on the engineering solution.)

Will be set up based on engineering.
Kit

8. Battery Storage System.

Storage capacity (kWh)
250

9. Engineering.

If the case.
Included

10. Documentation for Prosumator Dossier.

If the case
N/A

*** Contact our sales team for other specifications or custom-made products.
tenders@polytrade.global